# UNITED STATES SPECIAL OPERATIONS COMMAND



## BUDGET ESTIMATES FISCAL YEAR 1997

PROCUREMENT, DEFENSEWIDE

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**MARCH 1996** 

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## UNITED STATES SPECIAL OPERATIONS COMMAND

# PROCUREMENT DOCUMENTATION FOR THE FY 1997 AMENDED PRESIDENT'S BUDGET SUBMISSION

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## UNITED STATES SPECIAL OPERATIONS COMMAND

# PROCUREMENT DOCUMENTATION FOR THE FY 1997 AMENDED PRESIDENT'S BUDGET SUBMISSION

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MK'8 MOD 1 SEAL Delivery Vehicle (SDV	Submarine Conversion	MK V Special Operations Craft	Ö	SOF Ordnance Acquisition	SOF Platform Gun Ammunition	SOF Ordnance Replenishment	T T	Maritime Equipment Modifications	Spares and Repair Parts	Communications Equipment and Electronics	SOF Intelligence Systems	SOF Small Arms and Support Equipment	SOF Maritime Equipment	Miscellaneous Equipment	SOF Planning and Rehearsal System	Operational Force Enhancements	DCVOP Faminment
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## PROCUREMENT PROGRAM EXECUTIVE SUMMARY

Special Operations Forces

\$ in Millions
FY 1997 Estimate 454.285
FY 1996 Actual 612.977
FY 1995 Actual 522.195

## PART I. PURPOSE AND SCOPE

USPACOM, USACOM, and USSOUTHCOM). When directed by the President, USCINCSOC will assume command of a special operation operational command directly responsible for determining its own force structure requirement, determining the related materiel requirements, infiltration/exfiltration aircraft, civil affairs specialists, and psychological operations specialists. Navy component forces consist of Sea, Air, & Land (SEAL) Teams and special boat units. The Air Force component forces consist of special operation units which provide medium to USSOCOM is a unified command with worldwide responsibilities to train, equip and maintain Special Operations Forces (SOF) in a ready anywhere in the world. USSOCOM's Army component forces include special forces (Green Berets), Rangers, short to medium range state in support of the contingency plans developed by the five regionally oriented unified commands (USEUCOM, USCENTCOM, long range air infiltration/exfiltration aircraft, specially equipped gunships, and aerial refueling capability. USSOCOM is the only procuring the SOF unique equipment, training, and deploying its own units.

## PART II, JUSTIFICATION OF FUNDS REQUESTED

### Aviation Programs

- (SRUs) contained in the Line Replaceable Units (LRUs) of the: MC-130H's APQ-170 Radar; AC-130U's APQ-180 Radar; APQ-102 Mission Computer; displays, communications, and control LRUs; and the AC-130H communication and display LRUs. Funds will be used primarily computers, and the All Light Level TV (ALLTV). It shall also provide organic depot-level repair capability for the Shop Replaceable Units to: procure the initial subset of the Test Program Sets (TPSs) for the depot capabilities for the APQ-170 radar and the APQ-102 Mission mobile intermediate-level tester for the critical avionics of the AC-130H, AC-130U and the MC-130H aircraft, such as radars, mission 1. Radio Frequency Mobile Electronic Test Set (RFMETS) (FY 1997 - \$14,340 Million) This effort shall provide a SOF-common Computer; complete acquisition of intermediate-level organic capability for the AC-130U ALLTV.
- 2. Rotary Wing Upgrades and Sustainment (FY 1997 \$4,788 Million) Funds provide for: digital terrain module memory upgrade for standardization; Night Vision Head Up Display standardization and aircraft integration; and ALQ-136/162 aircraft survivability equipment compressed Defense Mapping Agency data; ARC-210/Demand Assigned Multiple Access modem integration per JCS directive for

## PROCUREMENT PROGRAM EXECUTIVE SUMMARY

## 2. Rotary Wing Ungrades and Sustainment (Cont'd)

Contractor Support, both for the MH-60G. External fuel tanks provide for extended range to improve aircraft's operational effectiveness and amplifier upgrade; all for the MH-47E/MH-60K. Also, provides funds to acquire and install 230 MH-60G external fuel tanks for air refueling. Acquires two Portable Engine Analysis Test Sets (PEATS) and funds AAQ-16 Forward Looking Infrared (FLIR) Interim meet mission taskings. The PEATS provides rapid analysis of engine problems for reduced maintenance downtime.

- 3. SOF Training Systems (FY 1997 \$1,074 Million) Funds provide procurement of ground-based trainers to support initial training. scenarios. Procures initial Gunship Aircrew/Maintenance Training System (GA/MTS) Battle Management Center support subsystems. Provides funds for Data Base Generating Equipment required for building and maintaining real-world training and mission rehearsal
- 4. MC-130H Combat Talon II (FY 1997 \$8,067 Million) Funds provide for interim contractor support, avionics Government Furnished Equipment (GFE), and publications/technical data printing. Interim Contractor Support (ICS) will provide maintenance support until full depot organic facilities are in place.
- 5. AC-130U Gunship Acquisition (FY 1997 \$44.800 Million) Funds provide interim contractor support (ICS) of contractor furnished weapon system becomes completely organic for support in the FY 2000 - FY 2001 time-frame. Further resources are provided for: the support equipment and ICS for software. ICS will provide the capability to maintain the aircraft avionics and software until the entire modification of technical orders (TOs); repair and management of GFE.
- 6. C-130 Modifications (FY 1997 \$86,667 Million) Funds procure the final ALQ-172 Pave Mint Low Band Jammer systems and installs 130P/N, and AC-130H aircraft. Also funds various AC-130 and MC-130 efforts such as MC-130H auxiliary power unit upgrades; AC-130U the initial systems for AC-130H aircraft; procures and installs Directional Infrared Countermeasure Systems (DIRCM); procures and installs System, Narrow Band Satellite Communications, and Automatic Communications Processor; installs center wing boxes on MC-130E, HCthe following communications initiatives into the MC-130H aircraft: 3.5-inch data transfer systems, Single Channel Ground-to-Air Radio Service Report actions; MC-130 Underbelly Protection Program; AAQ-17 Forward Looking Infrared for AC-130H/U; reliability and maintainability upgrades on the MC-130H APQ-170 radar; modifications of the last 65 AAR-44 Missile Warning Receivers; interim contractor support on the APQ-122 upgrade; and upfront, non-recurring engineering on the AC-130H Low Light Level TV.
- Funds also provide for interim contractor support for aircraft modifications only until other methods (i.e., establishment of a depot, transition to organic, etc.) are made available. Funds ICS for the ASD-5 replacement on the AC-130H, Ballistic Computer, MC-130E systems, and 7. Aircraft Support (FY 1997 - \$13,639 Million) Funds provide for the procurement of ring laser gyros for the MC-130E aircraft. other efforts such as Pire Control Display System, and Air Data Management System. Funds an international maritime satellite radio





## PROCUREMENT PROGRAM EXECUTIVE SUMMARY

## 7. Aircraft Support (Cont'd)

installation as well as an engine hush kit modification (required to meet impending stage III noise requirements) for the EC-137 SOF Command and Control aircraft.

#### Shipbuilding

- communications, mission data recorders, direct current propulsion motors, and pilot/navigator displays. The mission of the MK 8 MOD 1 selected subsystems. Funds will be used to purchase/install such items as Global Positioning System, Obstacle Avoidance System, secure 1. MK 8 MOD 1 SEAL Delivery Vehicle (SDV) (FY 1997 - \$9.255 Million) Funds provide for the Service Life Extension Program effort of the MK 8 MOD 0 SDV that will focus on correcting identified and projected sustainability and maintainability problems within SDV is clandestine infiltration/exfiltration of SEAL combat swimmers into hostile/denied shore areas and harbor/port facilities for the conduct of special operations.
- submarines. Funds advanced planning for work package preparation, prefabrication of kit assemblies (piping, valves, external hull fixtures), conversion will provide SSN 688 class submarines as replacements for SSN 637 long-hull Dry Deck Shelter (DDS) host and ASDS host prepares operational manuals, and host certification. Also orders those subsystems, components and materiel needed for one Dry Deck requirements for the execution of special operations missions as the naval component of the U.S. Special Operations Command. This 2. Submarine Conversion (FY 1997 - \$8,913) This program supports Naval Special Warfare Command's equipment and mission Shelter host submarine that requires earlier contracting actions in order to meet the time-critical system conversion schedule.
- insertion/extraction of special operations forces. It will have the inherent ability to support limited Coastal Patrol and Interdiction taskings. transporter system. Funds procure three operational detachments - each detachment consists of two craft and transporters and, supporting The MK V SOC will be a high performance combatant craft capable of being transported over land and on-board C-5 aircraft on its own 3. MK V Special Operations Craft (SOC) (FY 1997 - \$41,211 Million) The MK V SOC will conduct Medium Range equipment package.

### Ammunition Programs

1. SOF Ordnance Acquisition (FY 1997 - \$6,161 Million) This line consolidates items formerly in SOF Platform Gun Ammunition and SOF Pyro/Demo. Funds will provide pyrotechnics, demolition materials, and various munitions, ammunitions, and related subsystems and equipment, in support of SOF which include special ground forces, special boat units, special warfare groups/units, Sea Air, Land (SEAL)

## PROCUREMENT PROGRAM EXECUTIVE SUMMARY

## 1. SOF Ordnance Acquisition (Cont'd)

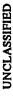
modules. Funds will also begin procurement of the Remote Activated Munition System, which provides the capability to remotely control 40mm ammunition rounds, as well as for product improvements and engineering changes for LIMPET and practice LIMPET assembly teams, special boat squadrons, SEAL delivery vehicles and special aircraft. Funds provide better, safer fuzing mechanisms (refuze) for equipment such as beacons, weapons, and demolition charges.

support of the elite SOF training and mission requirements. These forces include Rangers, special boat units, special warfare groups, special Individual Weapons Ammunition, SOF Platform Gun Ammunition and, SOF Pyro/Demo. Funds provide individual weapons ammunition in training rounds required to maintain AC-130 Gunship crew mission readiness skills. Ammunition purchases resupply reserve quantities and target practice, and subcaliber ammunition. Specifically, funds are required to procure complete rounds, and/or components requiring load peculiar non-standard small arms ammunition items transitioning from various SOF component programs and to conduct acceptance testing. addition, funds procure a variety of pyrotechnic items for Navy SOF groups, including illumination, signaling, identification and location specified combat reserve quantities. Funds also provide for production engineering, product improvements, and gauge procurement. In and assembly, of small arms ammunition (12 gauge up to and including .50 caliber), grenades (offensive/defensive and smoke) and SOF Also supports Naval Special Forces requiring 25mm, 40mm, and 60mm caliber gun ammunition, rockets and combat acceptance testing. warfare units, SEAL teams, special boat squadrons and SEAL delivery vehicle teams. The ammunition consists of illumination, smoke, Provides 7.62mm and .50 caliber ammunition in support of the impending MK V SOC weapons. Procures 25mm, 40mm, and 105mm 2. SOF Ordnance Replenishment (FY 1997 - \$24,379 Million) This line reflects a realignment of non-acquisition items from SOF devices. Also includes demolition materials such as explosive devices, initiators, and accessories.

### Other Procurement

- 1. Maritime Equipment Modifications (FY 1997 \$4.833 Million) These funds were transferred from Patrol Coastal and from the MK active noise cancellation and bridge wing controls items, and installation of propellers designed to reduce the airborne noise in the berthing Special Operations Craft. Funds provide for command and control system software integration and upgrades. Also begins procurement of MK V SOC improved weapons mounts. Funds support procurement of materiel and installation of stern flap modifications, installation of compartments and meet full power absorption requirements at a higher full load displacement. Finally, supports Title K alterations for emergent ship alterations.
- item. The line item contains spares and repair parts funds from both aviation and shipbuilding programs. Funds reimburse the stock fund 2. Spares and Repair Parts (FY 1997 - \$36.134 Million) This line item consolidates spare and repair parts funding into a single line for deliveries of initial spares in support of MC-130 and AC-130 series aircraft, and various modifications. Funds will also be used to





## PROCUREMENT PROGRAM EXECUTIVE SUMMARY

## 2. Spares and Repair Parts (Cont'd)

Program. Includes Global Positioning System, Obstacle Avoidance Sonar, Secure Communications, Mission Data Recorders, Direct Current procure spare parts to support engineering improvements to four SEAL Delivery Vehicles (SDV) for the SDV Service Life Extension Propulsion Motor, and Pilot/Navigator Displays. Funds for MK V Special Operations Craft (SOC) spares, repair parts, and initial consumables that constitute operational deployment packages and major (shore based) spares "kits".

- 3. Communications Equipment and Electronics (FY 1997 \$26,617 Million) Funds provide for communication systems to support SOF. This funding line consolidates SOF programs from Army, Navy, and Air Force SOF communication requirements. The SOF units' mission mandates that SOF systems remain technologically superior to any threat to provide a maximum degree of survivability. Major funding requirements highlights include:
- transit base stations. Funding upgrades existing SMRS radios/base stations through preplanned product improvement technology insertion of a. The Special Mission Radio System (SMRS) is a radio system that provides SOF with a near term solution for a lightweight, low probability of intercept/low probability of detection manpack high frequency radio. Funding procures HF Manpack Radio Systems, and various communications security capabilities.
- b. Continues procurement and installation of Tactical Radio Systems for Naval Special Warfare units.
- c. Multiband/Multimission Radio (MBMMR) provides a lightweight, secure manpackable, multi-band transceiver capability. Funding procures additional deliveries of MMBMRs.
- provide significantly increased information transfer capability to deployed Special Operations Forces. The funds procure voice switches and d. The SOF Tactical Assured Connectivity Systems (SOFTACS) was formerly TACTICAL C4I. The SOFTACS program will tri-band Secure High Frequency Satellite Communications (SHF SATCOM) terminals required for the high volume of information for deployed SOF C3I nodes.
- commands while allowing for differences in missions. Funds provide initial procurement of JBS Variant 1, a small, transportable, high data rate base station that is capable of "drive on/drive off" a C-130 aircraft. Funds procure JBS Variant 2, palletizable communications suites e. Joint Base Station (JBS): JBS will provide SOF with continuous, reliable, long-range communications among SOF component for Air Force Special Operations Forces.

## PROCUREMENT PROGRAM EXECUTIVE SUMMARY

## 3. Communications Equipment and Electronics (Cont'd)

warfighting capability without degrading their mobility. Therefore, SOF Communications Equipment & Electronics is a continuing effort to Operating independently in denied areas, Special Operations Forces (SOF) units require communications equipment that will improve their develop and procure unique SOF C3 requirements.

- 4. SOF Intelligence Systems (FY 1997 \$19.833 Million Funds provide various types of equipment to support SOF Intelligence Systems. Major requirement highlights include:
- components and extension to USSOCOM mission support units, Theater Special Operations Commands, and forward deployed SOF. Much (IDISS-SOCRATES). Funds provide a wide range of mission directed automated intelligence and imagery support to HQ USSOCOM and of the data is acquired from national intelligence assets/data bases and tailored to SOF needs. Continues the procurement of equipment to a. Joint Deployable Intelligence Support System - Special Operations Command, Research, Analysis and Threat Evaluation System establish a distributed JDISS-SOCRATES network architecture in compliance with nationally-directed client-server environment
- enemy threat systems. Funds procure aircraft modifications to accommodate MATT on the MH-531 Pave Low helicopter and International intelligence and threat information to support mission planning and execution, enabling aircrews to effectively avoid, defeat, or destroy Multi-Mission Advanced Tactical Terminal (MATT). This program allows combat forces to receive near-real-time operational Broadcast Service Receivers. Funds engineering change proposals.
- c. The SILENT SHIELD enhances SOF aircrew situational awareness and provide threat warning information. The system consists of two briefcases; one briefcase contains the Communications Surveillance System, and the other contains the tactical data receiver. Aircraft installation kits complete the system. Funds procure SILENT SHIELD systems.
- d. Integrated Survey Program (ISP) procures commercial/government off-the-shelf equipment for a total of 11 suites of standard survey equipment which include laptop computers with computer-assisted data collection software, electronic filmless cameras, Global Positioning System receivers, and laser rangefinders. Funds provide for subsystem upgrades.
- for the MK23 MOD 0 SOF Offensive Handgun; M4A1 Carbine and Accessory Kits, for Naval SOF; advanced body armor with load-bearing through this budget line. Funds procure .50 caliber sniper rifle retrofit kits; boat gun mounts and support equipment; laser aiming modules 5. SOF Small Arms and Support Equipment (FY 1997 - \$10.613 Million) A variety of SOF small arms and weapons are procured equipment for the Battle Dress System; subsystems, acceptance testing and program support for the SOF Laser Acquisition Marker



## PROCUREMENT PROGRAM EXECUTIVE SUMMARY

- Specifically, funds low-rate, initial production NSW Rigid Inflatable Boats (RIBs) and necessary ancillary and supporting equipment. Funds require modern and safe equipment. Numerous items of equipment, such as small craft, open and closed circuit scuba equipment, and mine also provide for: safety and reliability upgrades as part of the Navy Boat program; emergent field changes for Dry Deck Shelters (DDS) Component of U.S. Special Operations Command, these elite forces are called upon to perform difficult, life threatening missions that 6. SOF Maritime Equipment (FY 1997 - \$5,030 Million) Funds procure necessary equipment which will enable the Naval Special countermeasure equipment are required for the Naval Special Warfare Command to execute their unique, special operations missions. Warfare Command to meet specific requirements for the execution of Special Operations and fleet support missions. As the Naval assets required to keep the DDS functional.
- Operational Stocks, equipment supporting USSOCOM headquarters management, Active Noise Reduction helmet harnesses, etc., that do not reasonably fit in other USSOCOM procurement line item categories. Funds provide: joint operational stocks currently located at the SOF Support Activity at Lexington Bluegrass Army Depot; Navy Civil Engineering Support equipment (such as vehicles and materiel handling equipment and sustainment activities required to support SOF. The line consists of relatively low cost procurement items such as Joint 7. Miscellaneous Equipment (FY 1997 - \$3.030 Million) The Miscellaneous Equipment budget line provides for various types of equipment) required to support Naval SOF.
- to plan and preview SOF missions. Major areas requiring automated support include data access and management, information fusion, image 8. SOF Planning and Rehearsal System (SOFPARS) (FY 1997 - \$1,876 Million) SOFPARS is an integrated family of mission planning systems, supported by extensive knowledge bases and imagery, that will be used by planners within the SOF command structure worldwide exploitation, mission planning and mission rehearsal (preview). SOFPARS focuses on the joint requirements to ensure interoperability and standardization of the SOF mission planning process. Funds upgrade previously procured portable mission planning systems and procure deployable desktop mission planners.
- 9. Operational Force Enhancements (FY 1997 \$75,221 Million) Funds are required to support Classified Special Operations Forces projects and modifications. Details of these projects are available as required.
- 10. PSYOP Equipment (FY 1997 \$7,794 Million) Funds provide for acquisition of Psychological Operations (PSYOP) equipment. The intent of PSYOP is to persuade selected target audiences to support U.S. national interests and to counter misinformation directed at U.S. Funds also procure the Deployable Print Production Center (DPPC), a state-of-the-art, computerized digital system capable of providing forces. Funds will procure Manpack, vehicle/watercraft-mounted, and aircraft-mounted systems as part of the Family of Loudspeakers. printed PSYOP products in forward locations and remote sites.

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## FY 1997 PROCUREMENT PROGRAM

Appropriation: Procurement, Defensewide

Millions of Dollars

Date: MARCH 1996

9.255 13.639 14.340 4.788 1.074 44.800 8.067 86.677 FY 1997 62.216 8.415 109.800 8.067 19.520 11.028 21.093 20.683 21.151 33.954 11.792 13.945 71.199 7.839 7.311 29.636 38.324 55.968 6.743 FY 1995 MK 8 MOD 1 SEAL DELIVERY VEHICLE (SDV) **OH-6 PROCUREMENT AND MODIFICATIONS** RADIO FREQUENCY MOBILE ELECTRONIC ROTARY WING UPGRADES AND SUSTAINMENT AC-130U GUNSHIP ACQUISITION Item Nomenclature MH-47/MH-60 MODIFICATIONS MC-130H COMBAT TALON II SOF TRAINING SYSTEMS **HH-53 MODIFICATIONS** C-130 MODIFICATIONS AIRCRAFT SUPPORT TEST SET (RFMETS) PATROL COASTAL AVIATION PROGRAMS SHIPBUILDING Line No. 20 53 4 47 8 6 **6** 4 51

Page 1 of 3 Pages Exhibit P-1 Procurement Program

8.913

4.647

6.071

MK V SPECIAL OPERATIONS CRAFT

SUBMARINE CONVERSION

41.211

## FY 1997 PROCUREMENT PROGRAM

Date: MARCH 1996

Appropriation: Procurement, Defensewide

Millions of Dollars

FY 1997 6.161 18.689 FY 1996 13.224 FY 1995 SOF ORDNANCE ACQUISITION (SOF Item Nomenclature PYRO/DEMO) AMMUNITION PROGRAMS Line No.

24.379

43.612

40.148

11.341

4.833 36.134 26.617

OTHER PROCUREMENT PROGRAMS

SOF ORDNANCE REPLENISHMENT (SOF INDIVIDUAL WEAPONS AMMUNITION)

SOF PLATFORM GUN AMMUNITION

8 89

23

5.856 8.492 MARITIME EQUIPMENT MODIFICATIONS LIGHT STRIKE VEHICLE 8 5

COMMUNICATIONS EQUIPMENT AND SPARES AND REPAIR PARTS 62 63

SOF SMALL ARMS AND SUPPORT SOF INTELLIGENCE SYSTEMS **ELECTRONICS** 64 65

SOF MARITIME EQUIPMENT (SPECIAL WARFARE EQUIPMENT) EQUIPMENT 9

MISCELLANEOUS EQUIPMENT DRUG INTERDICTION 6 80

OPERATIONAL FORCE ENHANCEMENTS SOF PLANNING & REHEARSAL SYSTEM 2 8

Page 2 of 3 Pages Exhibit P-1 Procurement Program

3.030 1.876

5.216 1.090 78.370

> 6.490 85.936

3.191

2.801

75.221

10.613

10.764

25.731

23.488

8.804

33.349

19.610

32.867

19.833

5.030

6.842

9.840



## FY 1997 PROCUREMENT PROGRAM

Millions of Dollars

Appropriation: Procurement, Defensewide

Date: MARCH 1996

FY 1997 7.794 454.285 612.977 19.595 FY 1996 .018 FY 1995 522.195 Item Nomenclature OTHER PROCUREMENT PROGRAMS (Cont'd) PSYOP EQUIPMENT TOTAL PROCUREMENT Line No. 7

Page 3 of 3 Pages Exhibit P-1 Procurement Program

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## UNCLASSIFIED MODIFICATION SUMMARY

## (TOA, Dollars in Millions)

System/Modification	17.4	FY95	PY%	FY97	FY98	FY99	FY00	FY01	Cost To Go	Total
C-130 MODIFICATIONS										
1. AN/AAR44 Missile Launch Warning Receiver			4.855	4.623						9.478
2. APQ-170 Radar Upgrade (MC-130H)			8.888	8.146	8.072					25.106
3. ALQ-172 BCM Jammer Upgrade (AC-130H/U, MC-130H)	51.032	19.804	19.288	17.912	17.249	13.499	10.773	10.970		160.527
4. AN/AAQ-17 Infrared Detection Set (IDS) Upgande (AC-130H/U)		8.350	9.341	12.273	1.909	4.836	4.612			41.321
5. APQ-122(V) Band Radar Update (MC-130E)	22.620		9.128	1.445						33.193
6. APR-46 ICS			\$66.							0.995
7. Center Wing Replacement (AC-130H, HC-130P/N, MC-130B)	124.160	3.412	9.162	7.534	6.523					150.791
8. Directional Infrared Countermeasures (DIRCM) (AC-130H/U, MC-130E/H)		8.101	23.381	15.220	\$1.275	77.012				171.989
9. Lifeline (AC-130U, MC-130H)	5.682	3.884	4.572							14.138
10. MC-130H Communications/Navigation Upgrade			10.069	4.834	6.935					21.838
11. Navigation Upgrades, Phase I (MC-130H)	16.426									16.426
12. FY 1990 Aircraft Modification Installations (AC-130H, HC-130P/N, MC-130E)	24.216	9.920			4.742					38.878
13. Active Noise Reduction		.041								0.041
14. IR Supressor (AC-130H/U)	4.473	2.956								7.429
15. MC-130H Underbeily Protection Program				1.600						1.600
16. AC-130U APU Upgnde			1.276							1.276
17. MC-130H APU Upgnde			.565	2.275						2.840
18. ALQ-172 Low Band Januare Upgrade (AC-130U, MC-130B/H)	÷						11.380	13.563		24.943
19. P31 DIRCM (AC-130U, EC-130B, HC-130P/N, MC-130B/H)								14.874		14.874
20. ECHC DIRCM (EC-130B, HC-130P/N)							20.585	11.714		32.299

Page 1 of 4 Pages Exhibit P-1M Modification Summary

## MODIFICATION SUMMARY

## (TOA, Dollars in Millions)

E, HC-130) C-130B, HC-130P/N, MC-130P/H) 19.089 19.089 19.089 2.677	System/Modification	PYs	FY95	FY96	FY97	FY98	FY99	FY00	FY01	Cost To Go	Total Program
3.396 5.622  -130)  -130)  -140)  -1500  9.823 -4,638 10.507 16.981  1.726 2.727  1.726 2.727  1.982 2.810  -24,771 15.923 1.1729  10.098 11.239  11.290  248.609 55.968 101.520 85.685 105.616 146.820 138.039 11.239  2.676 3.919	C-130 MODIFICATIONS (Cont'd)										
2.500 9.823 . 4.638 10.507 16.981  -130)  B, HC-130PIN, MC-130PIN  B, HC-130PIN  B	21. AC-130H Upgrades						3.396	3.622	5.580		14.598
1.726 4.701 15.925 1 1.726 2.727 1.727 1.7	22. Low Light Level TV Replacement (AC-130H)		2.500		9.823	4.638	10.507	16.981	4.620		49.069
1.726 2.727 1.962 2.810 9.44 1.451 1.962 2.810 9.44 1.451 1.962 2.810 9.44 1.451 1.968 6.743 19.089 6.743 19.089 6.743 2.677 3.920 2.676 3.919	23. T56 Quick Engine Change Kite (AC-130H, MC-130B, HC-130)						4.701	15.925	15.804		36.430
1.982 2.810  4.273  Flucto Dispenser (AC-130E/U, EC-130E), AC-130E/H)  The ling Capability  The ling Capability  AC-130H/U, AC-130E/H)  AC-130H/U, AC-130E/H)  ADDIFICATIONS  ANODIFICATIONS  SS MODIFICATIONS  SS MODIFICATIONS  19.089 6.743  SS MODIFICATIONS  19.089 6.743  Avious System (IDAS)  SS MODIFICATIONS  19.089 6.743  Avious SS MODIFICATIONS  SS MODIFICATIONS  Avious System (IDAS)  Aviou	24. Oss Turbine Replacement (AC-130H, MC-130B, HC-130)						1.726	1.727	4.927		9.380
Plate Dispenser (AC-130FM), MC-130PM), MC-130PM, MC-13	25. HC.130 Upgndes						1.982	2.810	2.789		7.581
4.273 7.353 7.353 10.098 11.239 18.119 248.609 55.968 101.520 85.685 105.616 146.820 138.039 11 2.677 3.920	26. BC-130 Upgrades						<b>X</b> .	1.451	1.441		3.836
7.353 7.353 10.098 11.239 1 18.119 20.325 248.609 55.966 101.520 85.685 105.616 146.820 138.039 1: 2.677 3.920 2.676 3.919	77. AC-130H LIDAR					4.273					4.273
10,098   11,239   11,239   11,239   11,239   11,239   11,239   11,239   11,239   11,239   11,239   11,239   11,239   12,089   6,743   19,089   19,0	28. ALE-47 Chaff and Flare Dispenser (AC-130H/U, EC-130B, HC-130P/N, MC-130E/H)							7.353	7.489	8.500	23.342
ATIONS       248.609       55.968       101.520       85.685       105.616       146.820       138.039	29. MC-130H Air Refueling Capability						10.098	11.239	17.384		38.721
6.256 248.609 55.968 101.520 85.685 105.616 146.820 138.039 11 19.089 6.743 2.677 3.920 2.676 3.919	30. AC-130U P31						18.119	20.325	25.285		63.729
ODIFICATIONS         248.609         55.968         101.520         85.685         105.616         146.820         138.039           nice System (IDAS)         19.089         6.743         8.744         8.744	31. APR-46 Upgrades (AC-130H/U, MC-130H/H)							6.256	3.504		9.760
19.089  ODIFICATIONS  19.089  ATTONS  2.677	TOTAL FOR C-136 MODIFICATIONS	248.609	55.968	101.520	85.685	105.616	146.820	138.039	139.944	8.500	1,030.701
ATIONS 19.089  19.089  2.677	HH-53 MODIFICATIONS										
ATIONS 19.089 2.677 2.676	Interactive Defensive Avionice System (IDAS)	19.089	6.743								25.832
2.677	TOTAL FOR HE-53 MODIFICATIONS	19.089	6.743								25.832
2.677	MH-47/MH-69 MODIFICATIONS										
2.676	1. MH-47B Modifications	2.677	3.920								6.397
1	2. MH-66K Modifications	2.676	3.919								6.595
5.383	TOTAL FOR MH-47/MH-60 MODIFICATIONS	5.353	7.839								13.192

Page 2 of 4 Pages Exhibit P-1M Modification Summary



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## UNCLASSIFIED MODIFICATION SUMMARY

## (TOA, Dollars in Millions)

System/Modification	PYs	FY95	FY96	FY97	FY98	FY99	FY00	FY01	Cost To Go	Total Program
ROTARY WING UPGRADES AND SUSTAINMENT										
1. MH-600 Fuel Tanks			1.592	.192						1.784
2. MH-533 ALQ-162			.269							0.269
3. MH-53J AN/AAQ-18						2.831	2.810			5.641
4. MH-47/60 Aircraft Survivability Equip							14.329	18.500		32.829
5. MH-47/60 System Modifications						4.814	15.455	14.966		35.235
6. MH-47/60 Avionics Modifications							10.491	9.989		20.480
7. MH-47/60 Obstacle Avoidance System							3.747	4.183		7.930
TOTAL FOR ROTARY WING UPGRADES AND SUSTAINMENT			1.861	0.192		7.645	46.832	47.638		104.168
SOF ORDNANCE ACQUISITION										
Stinger Block I			4.787							4.787
TOTAL FOR SOF ORDNANCE ACQUISITION			4.787							4.787
80F INTELLIGENCE SYSTEMS										
1. Multi-mission Advanced Tactical Terminal (MATT)	12.800	0.528	6.900	9.823	21.758	13.087	6.212	.934		72.042
2. PRIVATEER			8.555		7.199	0.641				16.395
TOTAL FOR SOF INTELLIGENCE SYSTEMS	12.800	0.528	15.455	9.823	28.957	13.728	6.212	0.934		88.437
MARITIME EQUIPMENT MODIFICATIONS										
1. MK V SOC Weapons				3.607	3.798	.085				7.490
2. MK V SOC Forward Looking Infrared					1.491	20.205				21.696
3. PC Command and Control Software Upgrades			.855	.338	.248	.123	.122			1.686

Page 3 of 4 Pages Exhibit P-1M Modification Summary

## MODIFICATION SUMMARY

## (TOA, Dollars in Millions)

					and the state of t	A STATE OF THE PERSON NAMED IN COLUMN STATE OF THE PERSON NAMED IN	and the second s			to a war and the same and
By stem Modification	PYB	S6Ad	PY96	FY97	PY98	FY99	FY00	PY01	Cost To Go	Total Program
MARITIME EQUIPMENT MODIFICATIONS (Cont'd)										
4. PC Stem Flap Modification				.231	.052	.057				0.340
5. PC Active Noise Cencellation			869	.007	.057					0.993
6. PC Bridge Wing Controls			300	.183	.052					0.535
7. PC Threat Warning System			8.133							5.133
8. FC Forward Looking Infrared Upgrade						9.999	2.770	.347		13.116
9. PC Propeller Upgrade			1.192	212.	.331					1.735
10. PC Mission Dependent Modular Aft Deck						2.141	2.030	2.113		6.284
11. PC Surface-to-Surface Missile System						15.441	29.593	46.812		91.846
TOTAL FOR MARITIME EQUIPMENT MODIFICATIONS			8.349	4.638	6.029	48.051	34.515	49.272		150.854
TOTAL FOR ALL MODIFICATIONS	285.851	71.078	131.972	100.338	140.602	216.244	225.598	237.788	8.500	1,417.971

131.972

Page 4 of 4 Pages Exhibit P-1M Modification Summary



## PROCUREMENT PROGRAM - INSTALLATION SUMMARY

## (TOA, Dollars in Millions)

System/Modification	PYs	FY95	FY96	FY97	FY98	FY99	FY00	FY01	Cost To Go	Total Program
C-130 MODIFICATIONS										
AC-130H LOW LIGHT LEVEL TV (LLLTV) REPLACEMENT						0.300	0.800	.500	300	1.900
UARRSI	7.500								•	7.500
ALQ-172 ECM JAMMER UPGRADB				800	1.600	.400				2.800
CENTER WING REPLACEMENT	42.900	3.412	9.162	7.534	6.523					69.531
LIFBLINB	0.500		4.572							5.072
FY 1990 AIRCRAFT MODIFICATION INSTALLATIONS	24.176	9.920			4.742					38.838
NAVIGATION UPGRADES, PHASE I	009									0.600
TOTAL C-130 MODIFICATIONS	75.676	13.332	13.734	8,334	12.865	0.700	0.800	0.500	0.300	126.241
HH-S3 MODIFICATIONS										
INTERACTIVE DEFENSIVE AVIONICS SYSTEM (IDAS)		•								
TOTAL FOR HH-53 MODIFICATIONS		•								
• INSTALLATION COSTS LESS THAN \$50K										
ROTARY WING UPGRADES AND SUSTAINMENT										
MH-600 FUBL TANKS				0.192						0.192
TOTAL FOR ROTARY WING UPGRADES AND GUSTAINMENT				0.192						0.192
SOF INTELLIGENCE SYSTEMS										
MULIT-MISSION ADVANCED TACTICAL TERMINALS (MATT)					4.200	5.400	3.600			13.200
TOTAL FOR SOF INTELLIGENCE SYSTEMS					4.200	5.400	3.600			13.200
MARITIME EQUIPMENT MODIFICATIONS										
PATROL COASTAL C2 SOFTWARB UPGRADB			909							0.600

Page 1 of 2 Pages Exhibit P-1N Procurement Program - Installation Summary

UNCLASSIFIED

## PROCUREMENT PROGRAM - INSTALLATION SUMMARY

## (TOA, Dollars in Millions)

Total Program
Cost To Go
FY01
FY00
FY99
FY98
FY97
FY96
86Ad
PYs
System/Modification

Page 2 of 2 Pages Exhibit P-1N Procurement Program - Installation Summary

## SPARE and REPAIR PARTS

USSOCOM / Procurement, Defensewide Summary

Service: United States Special Operations Command

Submission: FY 1997 President's Budget Date: March 1996

### Millions of Dollars

			20 222
	FY 95	FY 96	FY 97
	1.534	25.074	20.296
PROCUREMENT - SHIPBUILDING		7.793	15.838
TOTAL SPARE AND REPAIR PARTS	1.534	32.867	36.134
Note: FY 95 costs are in Aircraft Support P-1.			

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BUDGET ITE	BUDGET ITEM JUSTIFICATION SHEET	N SHEET		DATE			
					MAR	MARCH 1996	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM RADIO FI	P-1 ITEM NOMENCLATURE RADIO FREQUENCY MOBILE ELECTRONIC TEST SET	E ELECTRONIC	TEST SET		
	FY95	FY96	FY97	FY98	FY99	PY00	FY01
QUANTITY							
COST (In Millions \$)	13.945	21.093	14.340	1.388	8.758	2.343	.774

Forces (SOF) common mobile intermediate-level tester for critical avionics of the AC-130H, AC-130U and MC-130H aircraft. In 1991, the program began procurement of 20 off-the-shelf test units and the development of software test program sets (TPSs), and ancillary equipment MISSION AND DESCRIPTION: The Radio Frequency Mobile Electronic Test Set (RFMETS) is a program to provide Special Operations (SRUs) in the LRUs for: MC-130H APQ-170 Radar; AC-130U APQ-180 Radar; APQ-102 Mission Computer; displays, communications, for certain Line Replaceable Units (LRUs). This program provides organic depot-level repair capability for the Shop Replaceable Units and control LRUs; and the AC-130H communications and display LRUs.

AP-102A Mission Computer. Funds will also be used to complete the acquisition of the organic intermediate level support capability of the AC-130U ALLTV. Not obtaining these capabilities would require maintaining the more costly contractor logistics support for this program. required for organic depot-level repair capability of the MC-130H APQ-170 Radar as well as to acquire depot capability for the common FY 1997 PROGRAM JUSTIFICATION: Funds will be used primarily to procure the initial subset (approximately 30%) of the TPSs Funds are also required for ECPs to ongoing contracts for LRU and SRU TPS development.

P-1 SHOPPING LIST, ITEM NO. 40

Page 1 of 1 Page EXHIBIT P-40 Budget Item Justification Sheet

				5									
WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5) - Aviation	A. Appro Procuren	A. Appropriation/Budges Activity Title/No. Procurement, Defensewide/Proc. Just./2	Activity Tit	le/No. . 12	B. Line Item Nomenclature Radio Frequency Mobile El	Vomenclati	B. Line Item Nomenclature Radio Frequency Mobile Electronic Test Set	88			C. DATE:	TE: MARCH 1996	
ausokus kinki dissa kain kundun ain kandun kand	Ident.					FY 1995			FY 1996			FY 1997	
Wespon System Cost Elements	Code				Unit Cost	ALO OLA	Total Cost	Unit Coat	QTY	Total Cost	Unit Cost	QTY	Total Cost
1. RFMEIS Program													
A. Production Engineering Support	N/A						2,212			2,828			310
B. AC-130U SE	¥						7,000		VAR	9,515			1,600
C. MC-130H SB	¥			The state of the s						5,050	- Andrews		10,700
D. Common SR	4					VAR	4,733		VAR	3,700			1,730
				to again again, and the same again, and the sa									
				The second section of the second section secti									
				A CONTRACTOR OF THE PERSON OF									
							-	•					
P-1 LINB ITEM TOTAL							13,945			21,093			14,340
P-1 SHOPPING LIST, ITEM NO. 40												Page 1	Page 1 of 1 Pages

Page i of 1 Pages EXHIBIT P-5, Weapon System Cost Analysis



BUDGET IT!	BUDGET ITEM JUSTIFICATION SHEET	N SHEET		DATE	MA	MARCH 1996	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM ROTARY	P-1 ITEM NOMENCLATURE ROTARY WING UPGRADES AND SUSTAINMENT	E S AND SUSTAINN	AENT		
	FY95	96XH	FY97	FY98	FY99	FY00	FY01
QUANTITY							
COST (In Millions \$)		8.415	4.788	6.106	18.803	61.491	086.99

simple autonomous ground-based units with an air-to-air capability specifically targeted against rotary wing aircraft. Third world operations MISSION AND DESCRIPTION: A requirement exists to provide aviation support to Special Operations Forces in world-wide contingency penetration of hostile areas. These aircraft must be capable of operating at extended ranges under adverse weather conditions to infiltrate, provides for ongoing survivability, reliability, maintainability, and operational upgrades as well as procurement appropriation sustainment provide logistics for, reinforce, and extract Special Operations Forces. The threat is capable of sophisticated data linked systems and/or cost for fielded rotary wing aircraft and subsystems. These include the MH-60G/L/K, MH-53J, TH-53A, and MH-47D/E helicopters. operations and low-intensity conflicts. The specialized aircraft for these missions must be capable of rapid deployment and undetected are apt to involve greater distances and more challenging geographical environmental conditions than the European theater. Program

210/Demand Assigned Multiple Access modern integration per Joint Chiefs of Staff directive for standardization, Night Vision Head Up 1. MH-47E/MH-60K. Provides for digital terrain module memory upgrade for compressed Defense Mapping Agency data, ARC-Display standardization and aircraft integration, and ALQ-136/162 aircraft survivability equipment amplifier upgrade.

FY 1997 PROGRAM JUSTIFICATION: Supports several subsystem upgrade efforts. Improves and increases the digital map system memory storage and transfer system; provides for standardization and aircraft integration of the Night Vision Head Up Display; and upgrades the amplifier of the ALQ-136/162 aircraft survivability equipment.

P-1 SHOPPING LIST, ITEM NO. 41

Page 1 of 2 Pages EXHIBIT P-40 Budget Item Justification Sheet

BUDGET ITEM JUSTIFICATION SHEI	BBT		DATE		MARCH 1996		
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NON ROTARY WIN	P-1 ITEM NOMENCLATURE ROTARY WING UPGRADES AND SUSTAINMENT	AND SUSTAIN	MENT			
2. MH-60G. Acquires and makes needed aircraft modifications to install external 230 gallon fuel tanks for extended range operations. Acquires two Portable Engine Analysis Test Sets (PEATS). Funds AAQ-16 Forward Looking Infrared (FLIR) Interim Contractor Supp		tions to install external 230 gallon fuel tanks for extended range operations. Funds AAQ-16 Forward Looking Infrared (FLIR) Interim Contractor Support.	230 gallon frd Looking	fuel tanks for	or extended 1 LIR) Interim	ange operatic Contractor Si	ns. ipport.
FY 1997 PROGRAM JUSTIFICATION: Provides for installation of external fuel tanks for extended range operations.	installation of	external fuel	ianks for ext	ended range	e operations.		
3. MH-53J. Funds reliability/maintainability upgrades for the ALQ-162 and AAQ-18.	for the ALQ-	162 and AAQ	တိ				
MODIFICATION		SUMMARY FOR ROTARY WING AIRCRAFT	VING AIRCRAI	Į.			
DESCRIPTION	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
1. MH-60G Fuel Tanks		1.592	.192				
2. MH-53J ALQ-162		.269					
3. MH-53J AN/AAQ-18					2.831	2.810	
4. MH-47/60 Aircraft Survivability Equip						14.329	18.500
5. MH-47/60 System Modifications					4.814	15.455	14.966
6. MH-47/60 Avionics Modifications						10.491	9.989
7. MH-47/60 Obstacle Avoidance System						3.747	4.183
TOTAL		1.861	0.192		7.645	46.832	47.638
P-1 SHOPPING LIST, ITEM NO. 41					EXHIBIT P-40	Page 2 of 2 Pages EXHIBIT P-40 Budget Item Justification Sheet	Page 2 of 2 Pages Justification Sheet

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P.5) - Aviation	A. Appro Procuren	A. Appropriation/Budget Activity Procurement, Defensewide/Proc. J	tivity Title/No. roc. Just./2	No.	B. Line Item Nomenclature ROTARY WING UPGRAI	omenclatur IG UPGRA	B. Line Item Nomenclature ROTARY WING UPGRADE/SUSTAINMENT	IENT			C. DATE: MAR	TE: MARCH 1996	
	Ideat.					FY 1995			FY 1996			FY 1997	
Weapon System Cost Elements	Code				Unit Cost	QILA	Total Cost	Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost
1. MH-47E/MH-60K								•					
A. MH-47E/MH-60K Subsystem Upgrades	<									4,552			4,155
B. MH-53 Sustainment	V/V												441
Subtotal										4,552			4,5%
2. MH-60G													
A. AAQ-16 ICS	٧									1,686			
B. PEATS	٧							158.000	2	316			
Subtotal										2,002			
Modifications										1,861			192
Subtotal										1,861			132
LINE ITEM TOTAL										8,415			4,788

P-1 SHOPPING LIST, ITEM NO. 41

Page 1 of 1 Pages EXHIBIT P-5, Weapon System Cost Analysis

BUDG	BUDGET PROCUREMENT	HISTORY	AND PLANNING		And the second of the second o		¥	DATE:	March 1996	9
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2	A			C. P-1 ITEM NOMENCLATURE ROTARY WINGS UPGRADES	P-1 ITEM NOMENCLATURE ROTARY WINGS UPGRADES	20	AND SUSTAINMENT	INMENT		
LINB ITEM FISCAL YBAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPB	CONTRACTED BY	AWARD DATB	DATE OF FIRST DEL	QUANTITY	UNIT	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
2. MH-60G C. PHATS FY 96	Howell Instruments	Local Purchase	N/A	JUN 96	DBC %	2	158.000			
	Ft. Worth, T.X.									
D. REMARKS									4	

P-1 SHOPPING LIST, ITEM NO. 41



Page 1 of 1 Page EXHIBIT P-5A Procurement History and Planning

DATE: MARCH 1996

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MODIFICATION TITLE: MH-603 FUEL TANKS MODELS OF SYSTEMS AFFECTED: MH-603

DESCRIPTION/JUSTIFICATION:

External 230 gallon fuel tanks upgrade for serial refueling capability (two fuel tanks per aircraft).

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2 È FY01 ₹ FY00 ₿ PDR: 8ep 94; CDR; Nov 94; 1st trial install: 1st Qtr FY95; 1st production install; 1st Qtr FY97, Aircraft Breakout: 0 ANG; 0 ARFES; 10 Active (Pave Hawk) ₿ ₿ FY97 ₿ ₹ ŧ ਣੇ FINANCIAL PLAN: (\$ in inillions) PROCUREMENT Installation RDT&B

TOTAL Qty \$

Installation Kits		20 1.4			20	1.4
Installation Kit Nonrecuring		20 0.1			20	9
Equipment						Ī
Equipment Nonrecurring						
Engineering Change Orders						T
Mod of Spares (20)		0.1				6
Installation of Hardware						
PY.						
FY95						T
FY%						Ī
FY97		20 0.2			20	0.2
FY98						
FY99						
FY00						
FY01						T
To Complete						
Total Installation Cost		20 0.2			20	0.2
Total Procurement Cost		1.6				-
METHOD OF IMPLEMENTATION:	DEPOT		ADMINISTRATIVE LEADTIME: 6 MONTHS	PRODUCTION LEADTIME: 12 MONTHS	12 MONTHS	•
CONTRACT DATE:	Current Year:	Budget Year 1: 2/96	Ã	get Year 2:		
DELIVERY DATE:	Current Year:	Budget Year 1: 2/97	Æ	Budget Year 2:		
P-1 SHOPPING LIST, ITEM NO. 41					Page 1 of 3	1 of 3

### MODIFICATION OF WEAPON SYSTEMS UNCLASSIFIED

MODIFICATION TITLE: MH-60G FUEL TANKS INSTALLATION SCHEDULE:

QUARTERS		
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FY 97		
FY 98		
FY 99		
FY 2000		
FY 2001		

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FY 1995

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FY 95 FY 96 FY 97

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Page 2 of 3 Exhibit P-3A



P-1 SHOPPING LIST, ITEM NO. 41

FY 2001

FY 2000 FY 99 FY 98

MODIFICATION OF WEAPON SYSTEMS UNCLASSIFIED

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MODIFICATION TITLE: MH-60G FUEL TANKS INSTALLATION SCHEDULE:

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FY 2000	2										FY 2000	2			
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FY 1999	3										FY 1999	3			
FY	2										FY	2			
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FY 1998	2										FY 1998	2			
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QUARTERS	TOJAN	ΡΥ	FY 95	FY 96	FY 97	FY 98	FY 99	FY 2000	FY 2001	•	QUARTERS	COLFOI	PY	FY 95	FY 96

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Page 3 of 3 Exhibit P-3A

UNCLASSIFIED

P-1 SHOPPING LIST, ITEM NO. 41

FY 2001 FY 2000 FY 99

FY 97 FY 98

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BUDGET ITE	BUDGET ITEM JUSTIFICATION SHEET	N SHEBT		DATE	MAR	MARCH 1996	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM SOF TRA	P-1 ITEM NOMENCLATURE SOF TRAINING SYSTEMS	<b>B</b>			
-	FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY		1			1		
COST (In Millions \$)		21.151	1.074	.477	8.535		

MISSION AND DESCRIPTION: This P-1 line funds procurement of ground-based trainers to support initial training. Also funds Data Base Generating Equipment required for building and maintaining real-world training and mission rehearsal scenarios. FY97 PROGRAM JUSTIFICATION: Procures initial Gunship Aircrew/Maintenance Training System Battle Management Center support subsystems.

P-1 SHOPPING LIST, ITEM NO. 42

Page 1 of 1 Page EXHIBIT P-40 Budget Item Justification Sheet

Appropriation / P-1 Line Item	SIMULATOR AND TRAINING DEVICE	~. I	JUSTIFICATION (\$000)	(\$000)		DATE: MARCH 1996	1996	
Procurement, Defensewide / SOF Training Systems	OF Training Systems		Weapon System Special Operations Forces	s Forces		Equipment Nomenc AC-130U Gunship A Systems (GA/MTS)	Equipment Nomenclature AC-130U Gunship Airorew/Maintenance Training Systems (GA/MTS)	nce Training
Fin Plan Prior Years	FY 1995	FY 1996	PY 1997	FY 1998	FY 1999	FY 2000	FY 2001	Total
Quantity	0	çani)	0.	0	c.d	0		2
Procurement		21,151	1,074	417	8,535			31,237
RDT&B		2,437	9,759	11,985	8,103	6,333	1,871	43,488
0&8			1,249	1,344	1,435	1,477	1,522	7,027

TRAINING SYSTEM DESCRIPTION;

training for the AC-130U Gunship aircraft. The need for GA/MTS is driven by inadequate ground-based training or mission rehearsal capability for the and flight engineers. Additionally, the Instructor Operator Station will provide role-playing capabilities. GA/MTS will be networked with other AFSOC sensor operator, and electronic warfare officer crew stations and a flight station with full fidelity, six degrees of freedom motion simulation for the pilots ground-based combination training and mission rehearsal system to support initial, mission, special qualification, continuation, upgrade and maintenance mission rehearsal devices. The Satellite SOFPREP DBGS consists of a workstation (mini-DBGS) used to enhance data bases required for joint training testbed, will refine requirements for system fidelity and provide an initial operational capability for the Navigator and Fire Control Officer (NAV/FCO) This project funds the AC-130U Gunship Aircrew/Maintenance Training Systems (GA/MTS) and the Satellite SOFPREP Data Base Generation System crew stations. The second component will build a complete BMC with a NAV/FCO, All Light Level Television and Forward Looking Infrared Radar aircrew and maintenance personnel. The GA/MTS will consist of two primary components. The first component, Battle Management Center (BMC) (DBGS). Supports SOF rotary wing aircraft and develops training capabilities for SOF fixed wing aircraft. The GA/MTS develops an integrated, and mission rehearsal

P-1 Shopping List No. 42

EXHIBIT - P-43, Page 1 of 3 P-43 Simulator & Training Device Justification

	SIMULATOR	SIMULATOR AND TRAINING	1 1	DEVICE JUSTIFICATION		(Page 2) (\$000)				DATE: N	DATE: MARCH 1996	96
Appropriation / P-1 Line Item Procurement, Defensewide / SOF Training Systems	Training Syste	sms	Weapon System Special Operations Forces	em itions Forces		IOC Date: BMC - 4Q/FY97 Flight Station - 1Q/FY00		Equipment Nomen AC-130U Gunship Maintenance Train Systems (GA/MTS)	Equipment Nomenclature AC-130U Gunship Aircrew/ Maintenance Training Systems (GA/MTS)	ature ircrew/ g	PE: 1160404BB	404BB
					Æ	Prior Years	ΡY	FY 1995	FY	FY 1996	FY 1997	766
Training Device by Type	Site	Delivery Date	Ready for Training Date	Average Student Throughput	QTY	Cost	УТУ	Cost	QTY	Cost	QTY	Cost
GA/MTS BMC Testbed*	Hurlburt	4Q/FY97	2Q/FY98	100						20,151		
GA/MTS Aircrew Tng Device**	Hurlburt	1Q/FY00	1Q/FY00	200								
REMARKS:  * GA/MTS BMC Testbed - Gunship Aircrew/Maintenance Training Systems Battle Management Center Testbed provides residual training capability for Navigator/Fire Control	Gunship Aircre	:w/Maintenanc	e Training Sy	rstems Battle M	anagement	Center Testbed	provides re	sidual train	ing capabil	ity for Nav	igator/Fire	Control

- - Officer crew stations.

    GA/MTS ATD Gunship Aircrew/Maintenance Training Systems Aircrew Training Device includes complete BMC and flight deck. \*

P-1 Shopping List Item No. 42

EXHIBIT - P-43, Page 2 of 3 P-43 Simulator & Training Device Justification

DWS	ILATOR A	SIMULATOR AND TRAINING DEVICE JUSTIFICATION	IG DEVIC	E JUSTIFICA'	1 1	(Page 3) (\$000)				DATE: MARCH 1996	RCH 1996	
Training Device by Type AC-130U Gunship Aircrew/Maintenance Training Systems (GA/MTS)	intenance	Training Syster	ns (GA/MT	(8:		Weapon System Special Operations Forces	m ions Porce	8				
Description/Justification: A contractor-managed, simulator-type aircrew training system which produces a qualified aircrew member. Funds procurement and deployr of an initial operational capability Battle Management Center trainer and testbed and a full operational capability Aircrew Training System providing real-world mission training and rehearsal capability for AC-130 aircraft. Also funds procurement of a SOFPREP Mini-Data Base Generation System (DBGS).	imulator- capability sion train	type aircrew Battle Man ing and reh	v training lagement earsal ca	system whi Center trai pability for	ich produ iner and AC-130	ices a qualifi testbed and aircraft. Als	ied aircr a full of so funds	ew member. verational c procuremen	Funds apability t of a S(	simulator-type aircrew training system which produces a qualified aircrew member. Funds procurement and deployment capability Battle Management Center trainer and testbed and a full operational capability Aircrew Training System ission training and rehearsal capability for AC-130 aircraft. Also funds procurement of a SOFPREP Mini-Data Base 3GS).	ent and deployn Training System Mini-Data Base	loyment em iase
Financial Plan	Pric	Prior Years	F	FY 1995	₹di	FY 1996	H	FY 1997	Cost to	Cost to Complete	Tot	Total Cost
	QTY	Cost	QTY	Cost	QTY	Cost	QTY	Cost	QTY	Cost	QTY	Cost
HARDWARE COSTS												
Device (Hardware)					<del>,</del>	17,851			çad	7,112	2	24,963
ECO <sub>8</sub>						1,000				800		1,800
Nonrecurring												
GPE												
Other						1,300						1,300
Total Hardware Costs						20,151				7,912		28,063
SUPPORT COSTS												
Special SE (Mini-DBGS)						200						800
Integrated Log Support												
Other (Spares/Data/Misc.)						200		1,074		1,100		2,674
Total Support Costs						000,1		1,074		1,18		3,174
Software/Courseware												
TOTAL COSTS						21,151		1,074		9,012		31,237

P-1 Shopping List Item No. 42

EXHIBIT P-43, Page 3 of 3 P-43 Simulator & Training Device Justification



BUDGET ITE	BUDGET ITEM JUSTIFICATION SHEET	I SHEET		DATE	MAR	MARCH 1996	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM 1 MC-130H 0	P-1 ITEM NOMENCLATURE MC-130H COMBAT TALON II	II			
	FY95	FY96	16YH	FY98	FY99	FY00	FY01
QUANTITY						•	
COST (In Millions \$)	38.324	20.683	8.067	5.326	3.869		

MISSION AND DESCRIPTION: The Combat Talon (CT II) is a production and sustainment program in which a specialized avionics suite Requirements Document by establishing organic intermediate and depot level maintenance capability on the APQ-170 Radar, nose radome, has been integrated into a C-130H airframe. Its mission is to conduct night, adverse weather, low-level, long-range operations in hostile, politically denied/sensitive, defended areas to infiltrate, resupply, or exfiltrate special operations forces and equipment. All 24 MC-130H and AP-102A Mission Computer. All sustainment upgrades and modifications for the MC-130H airframe are now described in the aircraft have been procured in prior years. Ongoing efforts focus on meeting operational requirements in the System Operational C-130 Modifications P-1 line.

FY 1997 PROGRAM JUSTIFICATION: Provides resources for interim contractor support to meet system maintenance requirements until organic depot facilities are in place, avionics Government furnished equipment, and publications/technical data printing.

	Company of the Compan										
WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5) - Aviation	A. Appro Procurem	A. Appropriation/Budget Activity Title/No. Procurement, Defensewide/Proc. Just./2	B. Wpn Model/Series/Popular MC-130H/Combat Talon II	/Series/Populi	ir Name	C. Manufacturer Namo, Plant Cit Lockheed/Loral (IBM)/Marietta,	er Name, Pl	C. Manufacturer Name, Plant City/State Location Loctheed/Loral (IBM)/Marietta, GA	Location	DATE: MARCH 1996	9661
ANTONIO EN PRESENTATION DE L'ANTONIO DE L'AN	Ideal.			FY 1995			FY 1996			FY 1997	
Weapon System Cost Elements	Code Code		Unit Cost	MD	Total Cost	Unit Cost	QIA	Total Coat	Unit Cost	ALO	Total Cost
ENGINE/ACCESSORIES											
AVIONICS											
e, CFB	N/A				3,153						
b. GFB	N/A							1,203			¥
SERVICE REPORTS/PQDRs	N/A										
OTHER GFB											
ECO (All Flyaway Components)											
NON-RECURRING COSTS					2517						
(Tooling)											
(Other)	¥/N										
OTHER COSTS	N/A										
Subtotal FLYAWAY COST					5,671			1,203			262
AIRFRAMB POSE	A/N				6,871						
EXTEND, INTEG. SPT. ENVIRON. (EISE)	N/A										
AVIONICS PGSB	N/A				2,580			17,008			
PECULIAR TRAINING EQUIPMENT											
PUBLICATIONS/TECH. DATA	N/A				138						30
INTERIM CONTRACTOR SUPPORT	N/A				18,911			1,937			7,499
ОТНЕЯ					4,273			535			334
Subtotal SUPPORT COST					32,653			19,480			7,863
GROSS P-1 END COST					38,324			20,683			8,067
LESS: PRIOR YR. ADV. PROC.											
NET P-1 FULL FUNDING COST					38,324		*****	20,683			8,067
Plus Current Year ADV. PROC.											
Other Noa P.1 Weapon System Costs											
Initial Spares											
Medification Summary											
TOTAL					38,324			20,683			8,067
P-1 SHOPPING LIST, ITEM NO. 43							1			Page 1	Page 1 of 1 Pages
							Ħ	XHIBIT F-	EXHIBIT P-5, Weapon System Cost Analysis	System Co	st Analysis



BUDGET ITE	BUDGET ITEM JUSTIFICATION SHEET	N SHEET		DATE	MAF	MARCH 1996	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM AC-130U	P-1 ITEM NOMENCLATURE AC-130U GUNSHIP				
•	FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY							
COST (In Millions \$)	71.199	62.216	44.800	34.696	18.694	18.414	8.330

ability. The primary mission for the AC-130U will be precision fire support for Special Operations Forces, but it will have the flexibility to MISSION AND DESCRIPTION: The AC-130U is a new production C-130H airframe converted to a side-firing gunship configuration with Detection System and All Light Level Television. A Trainable Gun Mount System for the 25mm cannon will give the AC-130U dual target advanced sensors, weapons and a digital avionics suite that will provide enhanced operational capability and reliability over the current ACtracking capability. Further enhancements to the AC-130U are a pressurized cabin for deployment plus inflight reconfiguration-for-firing 130H. Mission equipment will include automated fire control radar that will give the AC-130U all-weather strike capability, Infrared perform armed escort, surveillance, search and rescue, and armed reconnaissance.

FY 1997 PROGRAM JUSTIFICATION: Provides resources for post production support and continued interim contractor support (ICS) of contractor furnished support equipment. ICS will provide the capability to maintain the aircraft avionics and software until the entire weapon system becomes completely organic for support in the FY 2000 - FY 2001 time-frame. Resources are also provided for the modification of technical orders.

P-1 SHOPPING LIST, ITEM NO. 44

			UNCLASSIFIED	160							
WEAPON SYSTEM COST ANALYSIS EXHIBIT (P.5) - Aviadon	A. Appropri	A. Appropriation/Budget Activity Title/No. Procurement, Defensewide/Proc. Just./2	B. Wpn Model/Series AC-130U GUNSHIP	B. Wpn Model/Series/Popular AC-130U GUNSHIP	ar Name	C. Manufactur Lockheed/Roc	er Name, P	C. Manufacturer Name, Plant City/State Location Lockhoed/Rockwell Int'i., Palmdale, CA	Location	DATE: MARCH 1996	966
	Ident.			FY 1995			FY 1996			FY 1997	
Wespon System Cost Elements	Çaşı Caşı		Unit Cost	ALL OLL	Total Cost	Unit Cost	ALL	Total Cost	Unit Cost	MO	Total Cost
AIRFRAMES/CFB											
ENGINE/ACCESSORIES											
a. CFB											
b. GFB	*				3,196						
ARMAMENT									A THE PARTY OF THE		
ECO (All Flyaway Components)											
SERVICE REPORTS/PQDRs	N/A				12,535						
OTHER COSTS & ECO											
Subtotal FLYAWAY COST					15,731						
AIRFRAMB PGSB											
ENGINE PGSE											
AVIONICS PGSB	4							1,220			
I LEVEL SUPPORT EQUIPMENT	4					and the same of th		2,266			
PUBLICATIONS/TECH. DATA	N/N				12,806			16,122			
INTERIM CONTRACTOR SUPPORT	N/A				32,665			26,000			28,278
INTERIM CONTRACTOR SUPPORT (SPIW.)	N/A				6,630			8,610			8,297
OTHER (GFB SPT/GFB-REP & SOFT SPT RI)	N/A				3,367			7,998			8,225
INITIAL SPARES											
Subsomi SUPPORT COST					55,468			62,216			44,800
GROSS P-1 END COST					71,199			62,216			44,800
LESS: PRIOR YR. ADV. PROC.											
NET P-1 FULL FUNDING COST					71,199			62,216			44,800
Phs Current Year ADV. PROC.											
Other Non P-1 Weapon System Costs											
Initial Spares	N/A										
Modifications											
TOTAL					71,199			62,216			44,800
P-1 SHOPPING LIST, ITEM NO. 44							C	e Figure	211/2	Page 1	Page 1 of 1 Pages
							ů	Anibia F-	EAMBIL F-3, weapon System Cost Analysis	oystem Co	st Analysis

BUDGET ITI	BUDGET ITEM JUSTIFICATION SHEET	IN SHEET		DATE	SEPTI	SEPTEMBER 1995	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM C-130 MC	P-1 ITEM NOMENCLATURE C-130 MODIFICATIONS	E			
			•				
	FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY							
COST (In Millions \$)	55.968	109.800	86.677	117.011	146.820	138.039	139.944

comprised of modifications generated from mission performance deficiencies, logistics problems and changes in the mission of the C-130 MISSION AND DESCRIPTION: Program provides for numerous modifications to various models of the C-130 aircraft. Program is

installs 16 systems. Funds for the procurement of nine and installation of five AAQ-17 Infrared Detection Set systems; procures and installs FY 1997 PROGRAM JUSTIFICATION: Procures final ALQ-172 Pave Mint Low Band Jammer system for the AC-130H and funds for the inch data transfer systems on the MC-130H. Installs seven center wing boxes on Special Operations Forces aircraft; funds for high priority Underbelly Protection Systems for MC-130H aircraft; upgrades 16 auxiliary power units (85-180L) MC-130H aircraft; modifies the last 65 AC-130U service reports selected from a list of 82 defined, out-of-scope deficiencies discovered during flight test; funds for reliability and 12 Single Channel Ground-to-Air Radio Systems, Narrow Band Satellite Communications, Automatic Communications Processor, and 3.5 maintainability upgrades on the MC-130H APQ-170 radar identified by the field and during lab testing; procures and installs the first 16 production installation of the first two production ALQ-172 systems. Procures seven Directional Infrared Countermeasures Systems and AAR-44 Missile Warning Receivers; funds interim contractor support on the APQ-122 upgrade; and funds for the upfront non-recurring engineering on the AC-130H Low Light Level TV.

Note: AC-130 and MC-130 modification funding transferred from those respective P-1 lines to C-130 Modifications P-1 line effective FY

P-1 SHOPPING LIST, ITEM NO. 45/46

Page 1 of 4 Pages EXHIBIT P-40 Budget Item Justification Sheet

BUDGET ITEM JUSTIFICATION SHEET		DATE		SEPTEMBER 1995	ER 1995		
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NOMENCLATURE C-130 MODIFICATIONS						
MODIFICA	MODIFICATION SUMMARY FOR C-130 AIRCRAFT	IRCRAFT					
DESCRIPTION	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
1. AN/AAR-44 Missile Launch Warning Receiver		4.855	4.623				
2. APQ-170 Radar Upgrade (MC-130H)		8 8 8 8	8.146	8.072			
3. ALQ-172 Electronic CM Jammer Upgrade (AC-130H/U, MC-130H)	19.804	19.288	17.912	17.249	13.499	10.773	10.970
4. AN/AAQ-17 Infrared Detection Set (IDS) Upgrade (AC-130H/U)	8.350	9.341	12.273	1.909	4.836	4.612	
5. APQ-122(V) Band Radar Update (MC-130E)		9.128	1.445				
6. APR-46 ICS (AC-130H/U, MC-130E/H)		\$66.					
7. Center Wing Replacement (AC-130H, HC-130P/N, MC-130E)	3.412	9.162	7.534	6.523			
8. Directional Infrared Countermeasures (DIRCM) (AC-130H/U, MC-130E/H)	5.101	23.381	15.220	51.275	77.012		
9. Lifeline (AC-130U, MC-130H)	3.884	4.572					
10. MC-130H Communications/Navigation Upgrade		10.069	4.834	6.935			
11. FY 1990 Aircraft Modification Installations (AC-130H, HC-130P/N, MC-130E)	9,920			4.742			
12. Active Noise Reduction	.041						
13. IR Suppression (AC-130H/U)	2.956						
14. MC-130H Underbelly Protection Program			1.600				
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P-1 SHOPPING LIST, ITEM NO. 45/46

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Page 2 of 4 Pages EXHIBIT P-40 Budget Item Justification Sheet



BUDGET ITEM JUSTIFICATION SHEET	BT	DATE		SEPTEMBER 1995	3R 1995		
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NOMENCLATURE C-130 MODIFICATIONS						
MODIFICATIO	MODIFICATION SUMMARY FOR C-130 AIRCRAFT (Cont'd.)	RAFT (Cont'e	<b>∵</b>		•		
DESCRIPTION	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
15. AC-130U APU Upgrade		1.276					
16. MC-130H APU Upgrade		.565	2.275				
17. Low Light Level TV Replacement (AC-130H)	2.500		9.823	4.638	10.507	16.981	4.620
18. Other Outyear Modifications:							
A. ALQ-172 Low Band Jammer Upgrade (AC-130U, MC-130E/H)						11.380	13.563
B. P31 DIRCM (AC-130H/U, EC-130E, HC-130P/N, MC-130E/H)							14.874
C. EC/HC DIRCM (EC-130B, HC-130P/N)						20.585	11.714
D. AC-130H Upgrades				,	3.396	5.622	5.580
E. T56 Quick Engine Change Kits (AC-130H, MC-130E, HC-130)					4.701	15.925	15.804
F. Gas Turbine Replacement (AC-130H, MC-130B, HC-130)					1.726	7.27.2	4.927
G. HC-130 Upgrades					1.982	2.810	2.789
H. EC-130 Upgrades					.944	1.451	1.441
I. AC-130H LIDAR				4.273			
P-1 SHOPPING LIST, ITEM NO. 45/46					Page 3 of 4 Pages	Page 3	Page 3 of 4 Pages

UNCLASSIFIED

Page 3 of 4 Pages EXHIBIT P-40 Budget Item Justification Sheet

BUDGET ITEM JUSTIFICATION SHEET	BET	DATE	A difference of the control of the c	SEPTEMBER 1995	ER 1995		
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NOMENCLATURE C-130 MODIFICATIONS						
•							
MODIFICATI	MODIFICATION SUMMARY FOR C-130 AIRCRAFT (Cont'd.)	RAFT (Cont'd	<b>~</b>				
DESCRIPTION	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
<ol> <li>ALE-47 Chaff and Flare Dispenser (AC-130 H/U, EC-130E, HC-130P/N, MC-130E/H)</li> </ol>	. <u>.</u>					7.353	7.489
K. MC-130H Air Refueling Capability					10.098	11.239	17.384
L. AC-130U P3I					18.119	20.325	25.285
M. APR-46 Upgrades (AC-130H/U, MC-130B/H)						6.256	3.504
TOTAL	55.968	101.520	85.685	105.616	146.820	138.039	139.944
P-1 SHOPPING LIST, ITEM NO. 45/46	AUTHOR A WANT			EXHIBIT	Page 4 of 4 Pages EXHIBIT P-40 Budget Item Justification Sheet	Page 4 Item Justific	Page 4 of 4 Pages Justification Sheet

			UNCLASSIFIED	Irieu					,		
WEAPON SYSTEM COST ANALYSIS EXHIBIT (P.5) - Aviation	A. Appre Procuren	A. Appropriation/Budget Activity Title/No. Procurement, Defensewide/Proc. Just./2	B. Wpn M C-130 MO	B. Wpn Model/Series/Popular C-130 MODIFICATIONS	lar Name	C. Manufactur TBD	rer Name, Pi	C. Manufacturer Name, Plant City/State Location TBD	Location	DATE: MARCH 1996	966
	Ident			FY 1995			FY 1996			FY 1997	
Weapon System Cost Elements	Code		Unit Cost	QIY	Total Cost	Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost
AIRFRAMES/CFB						٠					
ENGINE/ACCESSORIES											
A. CFB											
b. GFB											
ECO (All Flyaway Components)						٠					
SERVICE REPORTS/PQDR	٧X							8,280			266
OTHER COSTS & ECO											
Subtotal FLYAWAY COST								8,280			266
AIRFRAMB PGSB											
ENGINE POSE											
AVIONICS PGSE											
I LEVEL SUPPORT EQUIPMENT											
PUBLICATIONS/TECH. DATA											
INTERIM CONTRACTOR SUPPORT											
OTHER											
INITIAL SPARES											
Subtotal SUPPORT COST											
GROSS P-1 END COST								8,280			992
LESS: PRIOR YR. ADV. PROC.											
NET P-1 FULL FUNDING COST								8,280			266
Plus Current Year ADV. PROC.											
Other Non P-1 Weapon System Costs		1									
Initial Spares											
Modifications					55,968			101,520			85,685
TOTAL					55,968			109,800			86,677
P-1 SHOPPING LIST, ITEM NO. 45/46	9									Page 1	Page 1 of 1 Pages

P-1 SHOPPING LIST, ITEM NO. 45/46

Page 1 of 1 Pages EXHIBIT P-5, Weapon System Cost Analysis

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: AN/AAR-44 MISSILE LAUNCH WARNING RECEIVER (MLWR) SYSTEM IMPROVEMENT MODIFICATION (SIM) MODELS OF SYSTEMS AFFECTED: AC-130H/U, MC-130E/H, HC-130EV/P, C-141B SOLL II

DATE: MARCH 1996

DESCRIPTION/JUSTIFICATION:

The AN/AAR-44 MLWR will be permanently modified to reduce false alarma. The design effort will be to modify the Sensor Unit (SU) and Signal Processor Unit (SPU). The SVU will be changed to reduce the convolling processor, increasing the message size and incorporating new software algorithms to improve threat tracking. In addition, electronically exacted permanent read-only memory will be added to allow for flightline reprogramming.

DEVELOPMENT STATUS/MAJOR MILESTONES: Letter contract swarded Nov 94. Contract definitized APR 95. Flight test of protocyps scheduled for Nov-Dec 95. Production accision scheduled for Ian 96. Archive for Ian 96. Accident contract would be awarded Feb 96. Installation would begin Oct 96. (Aircraft Breakout: ANG 0, AFRES 0, Active 50).

FINANCIAL F	FINANCIAL FLAN: (8 th millions)	PYo	_	FY95		FY96	ųs.	FY97	_	FY98		FW 99		00A4	₽Ād	PYOI	<b>[=</b>	ıc	TOTAL	Ä
		È	es	È	69	È	69	È	on.	B	8	ŝ	89	\$ \$	È	69	È	es	È	<b>69</b>
RDT&B			3.6		€.															6.7
PROCUREMENT	N.																			
Installation Kits	on Kits									- programmy company			-		100000000000000000000000000000000000000					
Installati	Installation Kit Nonrecurring											a California de la casa para para para para para para para p								
Equipment	X					35	1.5	65	2.6					No. of Concession, Name of Street, or other Designation, Name of Street, or other Designation, Name of Street,					1000	4.1
Equipme	Equipment Nonrecurring						WD-Cottoning and a second													
Modifica	Modification of Spares						1.5		1.7											3.2
Interim (	Interim Contractor Support						0.1		0.3											1.3
Data																				
Support	Support Equipment						6.0													6:0
Installativ	Installation of Hardware																			
1	PYs																			
<u> </u>	PY95																			
<u> </u>	FY96																			
F	FY97																			
Ľ	FY98																			Ī
14	FY99														, , , , , , , , , , , , , , , , , , ,					
H	FY00																			Ī
A	FY01			And appropriate to the fact from											Anteres de la company de la co					
	To Complete																			
Total In	Total Installation Cost			The same of the sa	Appropriate Control Control	of forest participal support			THE REAL PROPERTY OF THE PARTY	Acres Victorias paragraphics	AUTO-CONTRACTOR									Contract of the last
	* Two per aircraft																			
ř	Total Procurement Cost						9.		4.6											8.6
METHOD OF	METHOD OF IMPLEMENTATION:	ORGANIC	Ņ.					<	DMINIS	TRATIVE	ADMINISTRATIVE LEADTIME: 6 MONTHS	WE: 6 M	ONTHS		PROI	DUCTION	LEADTE	PRODUCTION LEADTIME: § MONTHS	NTHS	
CONTRACT DATE:	DATE:	Current Year: 2/96	car: 2/9	<b>y2</b> 1			7	Budged Year 1: 2/97	ar 1: 209	Į			<b>#</b>	Budget Year 2:						
DELIVERY DATE:	ATE:	Current Year: 4/96	Car: 4/2	<b>19</b> 2			_	Budget Year 1: 4/97	er 1: 4/9	U			æ	Budget Year 2:	نند					
P-1 SHOPPING	P-1 SHOPPING LIST, ITHM NO. 45/46																		Per	Page 1 of 1

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Page 1 of 1 EXHIBIT P-3A

DATE: MARCH 1996

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MODIFICATION TITLE: APQ-170 RADAR UPGRADES

MODELS OF SYSTEMS AFFECTED: MC-130H

DESCRIPTION/JUSTIFICATION:

This program funds a reliability and maintainability upgrade for the APQ-170 radar. The specific R&M package is a compilation of fixes to field reported problems and lab testing fixes determined under the main MC-130H Combat Talon II production effort. Modifications are form, fit, and function replacements for current radar components. All 66 radar equivalent ship sets will be retrofitted by the contractor. These 66 ship sets are comprised of 24 agrees sets. These funds will be used to procure the upgrade kits and perform the actual retrofit. The installation schedule will be driven by failure

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Contract Award: May 96; (Aircraft Breakout: 0 ANG; 0 AFRES; 24 Active)	kout: 0 ANG; 0 AI	RES; 24 A	ctive)														
FINANCIAL PLAN: (\$ in millions)	PYA	<u> </u>	FY95	FY	<b>9</b> 2	PY97	_	FY98		FY99	FY00	FY01	_	2		TOTAI	Ä
	\$ 40 \$ 40	È	•	₿	•	æ	•	È	•	È	<b>\$</b>	È	•	È	•	È	S
RDT&B																	
PROCUREMENT																	

Installation Kits			٦
Installation Kit Nonrecurring		١	_
Equipment	20 7.9 22 7.9 22 7.9	64 23	23.7
Equipment Nonrecurring		2 0	8.0
Engineering Change Orders			
Data	0,2 0,2	0	ဗ္ဗ
			٦
			٦
Installation of Hardware			
PYs			
FY95			
PY96			
FY <i>97</i>			
FY98			1
FY99			٦
A - 1 - 1 - 1 - 1 - 1			

Total Installation Cost

Current Year: 3/96 Current Year: 4/96 ORGANIC METHOD OF IMPLEMENTATION: Total Procurement Cost CONTRACT DATE: DELIVERY DATE:

P-1 SHOPPING LIST, ITEM NO. 45/46

ADMINISTRATIVE LEADTIME: 13 MONTHS

8.9

Budget Year 1: 2/98 Budget Year 1: 1/97

Budget Year 2: 1/98

Budget Year 2: 2/99

Page 1 of 1 EXHIBIT P-3A

25.1

PRODUCTION LEADTIME: 6 MONTHS

DATE: MARCH 1996

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: ALQ-172 ELECTRONIC COUNTERMEASURE JAMMER UPGRADE

MODELS OF SYSTEMS AFFECTED: AC-130H (Low-bend Immer), AC-130U, MC-130H (ECP-93 Upgrade)

DESCRIPTION/IUSTIFICATION:

Modifies the ALQ-172 with few-band jammer (LBI) and engineering change proposal (ECP-93 and then installs the enhanced ALQ-172 on eight AC-130H aircraft. Starting in FY 98, procures and installs ECP-93 on all ALQ-172 installations (MC-1302H, AC-130U) to provide increased memory and flightline regressibility.

DEVELOPMENT STATUS/MAJOR DBVELOPMENT MILESTONES:

PDR: Mar 95; CDR; Aug 95; 1st wial install: 1st Qr FY96; 1st production install; 3rd Qr FY97, (Aircraft Breakout: 0 ANG; 0 AFRES; 8 Active (LBI); 59 ALQ-172)

7.3 TOTAL Ê 60 ည္ È ಅ FYOI ₿ È FY 99 Ê FY98 Ê 16AJ È 2. %AJ Ê 2.8 FY95 Ê & 6 PYe È FINANCIAL FLAN: (\$ in millions) PROCUREMENT

Installation Kits (LBJ)		<b>€</b> €)	2.0	(P)	1.9	===	0.7									7	4.0
Installation Kit (ECP-93)								16	16 14.1	13	13.1	10	10.8	12 11.0	11.0	51	49.0
Installation Kits Nonrecurring (LBJ)	1 10.1				2.0		0.3									e¥	12.4
Equipment (LBJ)			80.8		10.8		8.0							W			29.6
Interim Contractor Support					0.5		0.5		1.5								2.5
Installed Equip. Nonrecurring (LBJ)	20.4																20.4
Data	6.8		4.9														11.7
Mod of Spares (ALQ-172)					.3 3.3		2.2										3.5
Support Equipment	13.2		1.4		2.6												17.2
Engineering Change Orders	0.5		0.7		0.1		5.4										6.7
Training Equipment					0.1												
															The state of the s		
Installation of Hardware															11. (1.0)		
DVs . 1st Trial Install				-	ø											*	6

PYs - 1st Trial Install	1	8						The same of the sa	<b>t</b>	0
FY95 - 3 ALQ-172 (LBJ) Kits			2	9.0	1	0.4			60	1.2
FY96 - 3 ALQ-172 (LBJ) Kits					9	1.2			9	1.2
FY97 - 1 ALQ-172 (LBJ) Kits							1	0,4	1	0.4
FY98						Andrew Company of the			- Annual Control of Control	
FY99										
Total Installation Cost	c=4	0	8	9.8	8	1.6	<b>=</b>	9.0	æ	2.8
TOTAL STATE OF STATE										

DEPOT (LBD); ORGANIC (ECP-93) Current Year: 3/96 Note: \* Installation costs included under PY NRB. METHOD OF IMPLEMENTATION: Total Procurement Cost

Current Year: 2/98

P-1 SHOPPING LIST, ITHM NO. 45/46

CONTRACT DATE: DELIVERY DATE:

Budget Year 1: 1/99 Budget Year 1: 2/97

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160.5

PRODUCTION LEADTIME: GROUP A: 6 MONTHS

10.8

ADMINISTRATIVE LEADTIME: 9 MONTHS

17.2

19.3

GROUP B: 18 MONTHS

Budget Year 2: 2/98 Budget Year 2: 4/98



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### MODIFICATION OF WEAPON SYSTEMS

FY 1997

MODIFICATION TITLE: ALQ-172 ELECTRONIC COUNTERMEASURE JAMMER UPGRADE INSTALLATION SCHEDULE:

FY 1996 FY 1996 7 FY 1995 FY 1995 ~ QUARTERS OUTPUT QUARTERS INPUT FY 2000 FY 2001 FY 99 FY 95 FY 96 FY 97 FY 98 FY 95 FY 96 FY 97 PY

FY 1997

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P-1 SHOPPING LIST, ITEM NO. 45/46

FY 2001

FY 2000

FY 99

FY 98

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MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: ALQ-172 BLECTRONIC COUNTERMEASURE JAMMER UPGRADE INSTALLATION SCHEDULE:

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FY 2001	~	<u> </u>	<u> </u>	-	<del> </del>	1	1	1	<b> </b>		FY 2001	2			_	T				
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FY 2000	6										FY 2000	6								
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FY 1999	2					<u> </u>		<u> </u>			FY 1999	2				-				
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FY 1998	9										FY 1998	3			7-4					
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UAR		•	FY 95	96 AJ	FY 97	FY 98	FY 99	FY 2000	FY 2001		UAR			FY 95	FY 96	FY 97	90	66 AH	FY 2000	FY 2001
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P-1 SHOPPING LIST, ITEM NO. 45/46



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MODIFICATION TITLE: AN/AAQ-17 INFRARED DETECTION SET UPGRADE

MODELS OF SYSTEMS AFFECTED: AC-130U, AC-130H

DESCRIPTION/JUSTIFICATION:

Program modifies the option on the AN/AAQ-17 Infrared Detection Set (IDS) currently installed on 21 AC-130H/U guaship aircraft. By taking advantage of new technologies, the magnification and resolution of the AAQ-17 Increased substantially allowing the aircraft to identify friendlies/targets while operating outside the range of threat systems. FY96 and FY97 funds for procurement of 12 enhanced AC-130U Guaship IDS modifications, associated data, and support equipment.

# DBVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

CDR: Mar 96; Fit Test: 1st Or: FY97; 1st Prod hatali: 4th Or: FY97; Trial hatali: 1st Or: FY97; (Aircraft Breatout: 0 ANG: 0 APRBS: 21 Active)

CDK: MAT 70; Fit lest: 1st Ca F197; 1st Frod msaul: 4th Ca F197; 17th mital:	Too mean: 4m C	G FIY/; LI		_	5 '/ L	arcmin pre-		IN OF FIM! (AUCHIN BICALOUS: U AINU; U AFRES; 21 ACRVO)	LKG3; 21	Active									
FINANCIAL PLAN: (\$ in millions)	PY.	E	FY95	FY96	<b>%</b>	FY97		FY98		FY99		FY00		FY01		ŢĊ		TOTAL	
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RDT&B	<b>~</b>	_	2.5																6.5
PROCUREMENT																			
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Installation Kits		9	1.3	٥	1.8	1	9.0	19	3.7
Installation Kit Nonrecurring	5.6								5.6
Pquipment			4.7		6.2		4.2		13.3
Equipment Nonrecurring	2 2.8							2	2.8
Engineering Change Orders			1.0		0.7				1.7
Data					1.7				1.7
Support Equipment			2.3						2.3
Mod of Spares					1.9		4.6		6.5
Interim Contractor Support					1.9				1.9

Installation of Hardware

	PY										
	FY95 2 AAQ-17 Systems	2	٠							2	•
	FY96 3 AAQ-17 Systems	3	••							3	:
	FY97 9 AAQ-17 Systems			9	••	3	9.6			0	:
	FY98										
	FY99 7 AAQ-17 Systems							7	<b>\$</b>	7	:
	PY00										
	PY01										
	To Complete										
Total	Installation Cost	8	:	9	:	3	:	7	•	21	

e Intellation costs finded under PV95 NRR: \*\*Installation cost finded under basic contract production entitions.

" Installation costs rended wheel FISS NKB; "Installation cost rended under	I SO INKE; ""INSTAILED ON COST IN	DOCO VEDGET DANK	contract production	n opnoms.						
Total Procurement Cost		æ. ₹.	9.3	12.3	1.9	8.4	4.6		6	39.5
METHOD OF IMPLEMENTATION:	CONTRACTOR			ADMINISTRATIVB LEADTIME:	B LEADTIME:	8 MONTHS	P. P.	RODUCTION LEADTIME:	15 MONTHS	
CONTRACT DATE:	Current Year: 3/96		Budg	udget Year 1: 3/97		Budget Year 2:	Tear 2:			

Budget Year 1: 4/98

Current Year: 4/97

P-1 SHOPPING LIST, ITEM NO. 45/46

DELIVERY DATE:

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Budget Year 2:

**\$** 

MODIFICATION OF WEAPON SYSTEMS UNCLASSIFIED

MODIFICATION TITLE: AN/AAQ-17 INFRARED DETECTION SET UPGRADE

INSTALLATION SCHEDULE:

QUARTERS INPUT FY 2000 FY 99 FY 98 FY 95 FY 96 76 YA

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FY 1995	പ				
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FY 1996					
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FY 1995

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P-1 SHOPPING LIST, ITEM NO. 45/46

FY 2001 FY 2000

PW 99

FY 98

FY 97

FY 96

FY 95

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MODIFICATION OF WEAPON SYSTEMS

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MODIFICATION TITLE: AN/AAQ-17 INFRARED DETECTION SET UPGRADE INSTALLATION SCHEDULE:

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FY 2001	2		_								FY 2001	2								
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FY 1999	2					_					FY 1999	2								
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FY 1998	3										FY 1998	3								
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QUARTERS	INIOIN	PY	FY 95	FY 96	FY 97	FY 98	FY 99	FY 2000	FY 2001		QUARTERS	OUTPUT	PY	FY 95	FY 96	FY 97	FY 98	FY 99	FY 2000	FY 2001

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P-1 SHOPPING LIST, ITEM NO. 45/46

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DATE: MARCH 1996

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: APQ-122(V) BAND RADAR UPDATE

MODELS OF SYSTEMS AFFECTED: MC-130B

DESCRIPTION/JUSTIFICATION:

The current APQ-122(V) - 8 X band terrain avoidance radar has a low reliability of approximately 24 hours mean time between failures (MTBF). The lack of spares and reliable assemblies has complicated the management of this system. This upgrade will significantly increase the reliability and maintainability of the APQ 122 by increasing the MTBF to 40 hours. FY 96 will fund the last phase of this program. This phase will modify the X-Band Receiver // Transmitter (R/T).

# DEVELOPMENT STATUS/MAJOR DEVRLOPMENT MILESTONES:

(Aimen Breekent A AMG. A ATDEG. 14 Active)

(Auctail Breakgal: U And; U Afrikes; 14 Ac	Active																		
FINANCIAL PLAN: (\$ in millions)	PYe	, co	S6AM	<b>9</b> 3	96 A.H	<u>,                                    </u>	PY97	_	FY98		66 Au	H	FY00	FYOI	Ħ	TC	<b>,</b>	TOTAL	page (
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#### PROCUREMENT RDT&B

Installation Kita	13 3.5		13	3.5
Installation Kit Nonrecuring	1 1.5			1.5
Equipment	89. 89.	14 4.0	14	12.5
Equipment Nonrecurring	6.9		pomorpret i kumikalishi kanadan akanadan akanadan galarakan a	6.5
Engineering Change Orders				9.
Data	0.5	1.2		1.7
Training Equipment	1.6			1.6
Support Equipment	0.5			0.5
Interim Contractor Support				1.4
Modification of Spares		3.5		3.5
Installation of Hardware				
PYs				
			The second of the second secon	TANKS OF THE PERSONS ASSESSED.

FY95					
FY96					
FY97					
FY98					
FY99					
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FY01					
To Complete					
Total Installation Cont			idaki janggari fermanasari karaya yanggari percepektir Adam di Dobaktanasa		
Total Procurement Cost	22.6	9.1 1.4			33.1
METHOD OF IMPLEMENTATION:	ORGANIC	ADMINISTRATIVE LEADTIME: 9 MONTHS	9 MONTHS	PRODUCTION LEADTIME: 36 MONTHS	_
CONTRACT DATE:	Current Year: 3/96	Budget Year 1: 2/97	Budget Year 2:		
DBLIVERY DATE:	Current Year: 3/99	Budget Year 1: N/A	Budget Year 2:		

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MODIFICATION TITLE: CENTER WING REPLACEMENT

MODELS OF SYSTEMS AFFECTED: MC-130E/AC-130H/HC-130P/N

DESCRIPTION/JUSTIFICATION:

Replaces center wing on the MC-130B Combat Talon I, AC-130H Cunahips and HC-130P/N tanker aircraft. Cracks, which substantiate the requirement to replace the center wing, have been found in spar caps at butt line 61.

Cracks and erack growth in this critical structural area can be difficult to detect and the probability for their development is high given the low altitude flight profiles of the SOF fleet. This modification will extend the service life of the aircraft past the year 2010. FY96, FY97 and FY98 funds for center wing installations.

# DBVELOPMENT STATUS/MAJOR DBVELOPMENT MILESTONES:

Trial install and kit proof complete. (Aircraft Breakout: 0 ANG; 0 AFRES; 50 Active)

I'M BRUIL ER KILDION COMPENS. (ARCINI DICATOR: VAINO, VALKES, 30 ACUVG)	HIL DICHEOUS.		d, v Arre	2	COADO															
FINANCIAL PLAN: (\$ in millions)	PY		FY95	ž	FY96	vs.	FY97	7	FY98	<b>≥</b> c	FY 99	_	FY00	0	FY01		5		TOTAL	j
	<b>\$</b>	•	\$ 40 \$	•	È	s	8	•	₹	•	€	•	ŝ	•	8	<u>-</u>	⋛	•	₹	••
RDT&B																				0.0
PROCUREMENT																				
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Installation Kits	80 89.8
Installation Kit Nonrecurring	14.0
Equipment	
Equipment Nonrecuring	
Engineering Change Orders	
Data	1.3
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installation of Hardware	!															
PYs - 50 Center Wings		16	16 42.9	11 3.4		11	9.3	7	7 7.5	\$ 6.5	6.5				20	69.5
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FY97																
FY98																
FY99																
FY00																
FY01																
To Complete	-															
Total Installation Cost		16	16 42.9	11	3.4	11 9.2	9.5	7	7.5	5 6.5	6.5				20	50 69.5
Total Procurement Cost			151.9		3.4		9.5		7.5		6.5	0.0	0.0	0.0	0.0	178.5
METHOD OF IMPLEMENTATION:	-	DEPOT AND CONTRACTOR FACILITY	NO CON	RACTO	PACIL	占		ΥD	MINISTR	ATIVE	EADTIME:	ADMINISTRATIVE LEADTIME: 24 MONTHS		PRODUCTION LEADTIME: 24 MONTHS	24 MONTH	8
CONTRACT DATE:	Û	Current Year:	ä				æ	Budget Year 1:	::			Budget	Budget Year 2:			
DELIVERY DATE:	•	Current Year:	¥				ğ	Budget Year 1:	::			Budget	Budget Year 2:			
P-1 SHOPPING LIST, ITEM NO. 45/46															P EXH	Page 1 of 3 EXHIBIT P-3A

### MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: CENTER WING REPLACEMENT

INSTALLATION SCHEDULE: (NOTE: 16 aircraft were input prior to FY95)

QUARTERS	Med	Ad	FY 95	FY 96

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Page 2 of 3 Exhibit P-3A

P-1 SHOPPING LIST, ITEM NO. 45/46

FY 2001 FY 2000



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### MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: CENTER WING REPLACEMENT INSTALLATION SCHEDULE:

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FY 2001	2									İ	FY 2001	2								
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QUARTERS	INPUT	PY	FY 95	FY 96	FY 97	FY 98	FY 99	FY 2000	FY 2001		QUARTERS	OUTPUT	PY	FY 95	FY 96	FY 97	FY 98	FY 99	FY 2000	FY 2001

P-1 SHOPPING LIST, ITEM NO. 45/46

Page 3 of 3 Exhibit P-3A

DATE: MARCH 1996

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: DIRECTIONAL INFRARED COUNTERMEASURES SYSTEM

MODELS OF SYSTEMS AFFECTED: AC-130H, AC-130H, MC-130B

DESCRIPTION/JUSTIFFICATION:

Provides 59 SOF C-130 aircraft with a Directional Infrared Countermeasure (DIRCM) system capability. The DIRCM system will work in conjunction with other caboard self-protection systems to canhance the aircraft's survivability against infrared guided missiles. Execution of this program is in concert with a joint United Kingdom/United States cooperative sevelopment/production effort.

## DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

CDR; Oct 95; 1st trial install: 3rd Qrr FY96; 1st production install; 3rd Qrr FY97. (Aircraft Breakout: O ANG; O AFRES; 59 Active)

FINANCIAL PLAN: (\$ in millions) PVc Pyc. PVc FY95	N, ter production me PV6	PY95		FY96		FY96 FY97 FY98 FY98	MA SC 'SST		66Ad		FYCO	FYOI	<b>10</b> .	IC		TOTAL	_
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PROCUREMENT																	
Group A Kits			.3	8	2.4	7 2.0	21	6.5	22	7.6						59	18.8
Group A Kit Nonrecurring																	
Group B Kits			1.7	04	13.4	11.7		31.7		37.4						A COLUMN TO THE PROPERTY OF THE PARTY OF THE	95.9
Group B Kit Nonrecurring																	
Engineering Change Orders																	
Data																	
Support Equipment			2.3		3.0	1.2		6.4		7.9							20.8
Other			0.2	The state of the s		0.3		0.2		0.2							6.0
Equipment (Other)								1.1		23.9							25.0
Interim Contractor Support			9.0		4.6			5.4									10.6
Installation of Hardware																	
PYs																	
FY95 - Install 1 DIRCM Kits						§ 0										₩.	0
FY96 - Install 8 DIRCM Kits						6										<b>6</b> 0	•
FY97 - Install 7 DIRCM Kits						7										7	•
FY98 - Install 21 DIRCM Kits							21	6								21	•
FY99 - Install 22 DIRCM Kits									22	•						22	•
FY00																	
FY01																	
To Complete																	
Total Installation Cost						16 0	21	8	22	o						88	
<ul> <li>Installation cost funded under Group A option.</li> </ul>	A option.																
Total Procurement Cost			S.1		23.4	15.2	-	S1.3		77.0							172.0
METHOD OF IMPLEMENTATION:	CONTRACTOR FIELD TEAM	FIRLD TEAN	,			ADMI	MISTRATI	ADMINISTRATIVE LEADTIME:		6 MONTHS	33	PROD	PRODUCTION LEADTIME: 6 MONTHS	RADTIME	3: 6M	ONTHS	
CONTRACT DATE:	Current Year: 2/97	_			Budg	Budget Year 1: 2/97	7537				Budget Year 2:	2: 1/98					
DELIVERY DATE:	Current Year: 2/97	161			Budg	Budget Year 1: 1/98	1798				Budget Year 2:	2: 3/98					
P-1 SHOPPING LIST, ITEM NO. 45/46																Page 1 of 3	1063

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Page 1 of 3 EXHIBIT P-3A

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### MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: DIRECTIONAL INFRARED COUNTERMEASURES SYSTEM

INSTALLATION SCHEDULE:

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QUARTERS	INPUT	PY	FY 95	FY 96	FY 97	FY 98	FY 99	FY 2000	FY 2001		QUARTERS	OUTPUT	PY	FY 95	FY 96	FY 97	FY 98	FY 99	FY 2000	BV 2001

P-1 SHOPPING LIST, ITEM NO. 45/46

Page 2 of 3 Exhibit P-3A

UNCLASSIFIED
MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: DIRECTIONAL INFRARED COUNTERMEASURES SYSTEM INSTALLATION SCHEDULE:

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QUARTERS		M	FY 95	FY 96	FY 97	FY 98	FY 99	FY 2000	FY 2001		QUARTERS		PY	FY 95	FY 96	FY 97	FY 98	FY 99	FY 2000	FY 2001

P-1 SHOPPING LIST, ITEM NO. 45/46



Page 3 of 3 Exhibit P-3A

DATE: MARCH 1996

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: MC-130H COMMUNICATIONS/NAVIGATION UPGRADE

MODELS OF SYSTEMS AFFECTED: MC-130H

DESCRIPTION/JUSTIFICATION:

Automatic Communications Processor (ACP); and Advanced Cryptographies (KY-100, TACTERM). This modification also incorporates a 3 1/2 inch computer disk drive system replacing the Data Transfer Module. The Group B hardware will be provided as government furnished equipment to the program from these initiatives. FY96 dollars will fund the nonrecurring engineering (NRB) for the integration of the Group B software integration and upfront procurement of two shipsets for the rital install and kit proof. This modification funds the integration of the following Air Force communications initiatives into the MC-130H: Single Channel Ground and Air Radio System (SINCGARS); Narrow Band Satellite Communications (SATCOM);

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Preliminary Design Review (PDR): 2Q FY97; Critical Design Review (CDR); 3Q FY97; Trial install: 3rd Qrr FY98; Flight Test: 1Q FY99; Kit Proof; 1Q FY99; 1st Production Install: 3Q FY99. (Alternft Breakout: 0 ANG; 0 APRES; 24 Active)

FY 97 FY95 Ž FINANCIAL PLAN: (\$ in millions)

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PROCUREMENT

Installation Kits	12	2.3 10	3.0	22	5.3
Installation Kit Nonrecurring	2 6.9			2	6.9
Equipment		8.0	0.6		4:
Equipment Nonrecurring	0.4	1.0			4.
Engineering Change Orders		9.0	0.1		6
Data	0.5				5.
Support Equipment		0.1			3
Software Coding/Tests	2.3				2.3
Trainer Integration			3.2		3.2
					٦
Installation of Hardware					

FY95					
FY96 - 1st Trial Install & Kit Proof	2 .				2
FY97 - 3 Comm/Nav Kits	3 40				3 40
FY98 - 10 Comm/Nav Kits	13	:	٥	**	19
PY99					
PY00					
FY01					
To Complete					
tal Installation Cost	2 • 3 • • 13	•	•	*	z

 Installation of Trial Install and Kit Proof Punded Under NRE; \*\* Installations Contracted for with Kits. Total Installation Cost

CONTRACTOR FIBLD TRAM Current Year: 3/96

METHOD OF IMPLEMENTATION: Total Procurement Cost

CONTRACT DATE: DELIVERY DATE:

Current Year: 3/98

P-1 SHOPPING LIST, ITEM NO. 45/46

Budget Year 1: 1/97 Budget Year 1: 3/99

ADMINISTRATIVE LEADTIME: 9 MONTHS

4.8

Budget Year 2: 1/98 Budget Year 2: 1/00 Page 1 of 3 EXHIBIT P-3A

21.8

PRODUCTION LEADTIME: 21 MONTHS

### UNCLASSIFIED MODIFICATION OF WEAPON SYSTEMS

FY 1997

MODIFICATION TITLE: MC-130H COMMUNICATIONS/NAVIGATION UPGRADE

INSTALLATION SCHEDULE:

QUARTERS	INPUT	Ad	FY 95	FY 96	FY 97	86 Ad	FY 99	FY 2000	FY 2001		QUARTERS	OUTPUT	PY	FY 95	FY 96	FY 97	FY 98	PW 99	FY 2000
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FY 1997

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P-1 SHOPPING LIST, ITEM NO. 45/46

FY 2001

Page 2 of 3 Exhibit P-3A

MODIFICATION OF WEAPON SYSTEMS UNCLASSIFIED

MODIFICATION TITLE: MC-130H COMMUNICATIONS/NAVIGATION UPGRADE INSTALLATION SCHEDULE:

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QUARTERS	INPUT	PY	FY 95	FY 96	FY 97	FY 98	FY 99	FY 2000	FY 2001		QUARTERS	OUTPU	PY	FY 95	FY 96	FY 97	FY 98	FY 99	FY 2000	FY 2001

P-1 SHOPPING LIST, ITEM NO. 45/46

UNCLASSIFIED

Page 3 of 3 Exhibit P-3A

DATE: MARCH 1996

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: UNDERBELLY PROTECTION SYSTEM

MODELS OF SYSTEMS AFFECTED: MC-130H

DESCRIPTION/JUSTIFICATION:

Program modifies 16 MC-130H sirenst with a retractable shield, mounted on the lower fluelage, to protect the airenst's electronic countermeasures and communication sensors/antennas during unimproved landing zone operations.

This modification is required to improve mishap survivability and reduce life-cycle cost by minimizing damage to the airenst.

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FINANCIAL	FINANCIAL PLAN: (5 in millions)	PYo	FY98	FY96	L6Ad	FY98	FV99	FY00	FY01	TC	TOTAL	
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RDT&B												
PROCUREMENT	TENT											
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Total	Installation Cost				92	ශ සෞ ල					8	
8	<ul> <li>Installation costs included in basic contract.</li> </ul>	atract.										
	Total Procurement Cost				1.6	<b>1</b>						9.
METHOD C	METHOD OF IMPLEMENTATION:	CONTRACTOR	CONTRACTOR FIRED TRAMS		ADM	ADMINISTRATIVE LEADTIME: 2 MONTHS	DTIME: 2 MO	SHIIN		PRODUCTION LEADTIME: 2 MONTHS	MONTHS	
CONTRACT DATE:	TDATE	Current Year:			Budget Year 1: 2/97	2/97		Budget Year 2:				
DELIVERY DATE:	? DATE:	Current Year:			Budget Year 1: 3/97	3191		Budget Year 2:				
P-1 SHOPPI	P-1 SHOPPING LIST, ITEM NO. 45/46										Page 1 of 3	1 063

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### MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: UNDERBELLY PROTECTION SYSTEM

INSTALLATION SCHEDULE:

QUARTERS	INPUT	PY	FY 95	96 A	79 YF	FY 98	66 A±	FY 2000	FY 2001		QUARTERS	OUTPUT	PY	FY 95	FY 96
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P-1 SHOPPING LIST, ITEM NO. 45/46

FY 99 FY 2000 FY 2001

FY 97 FY 98

UNCLASSIFIED
MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: UNDERBELLY PROTECTION SYSTEM INSTALLATION SCHEDULE:

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QUARTERS	5au	Ad	FY 95	96 Ad	FY 97	FY 98	PY 99	FY 2000	FY 2001		QUARTERS	OUTPUT	PY	FY 95	FY 96	FY 97	FY 98	FY 99	FY 2000	FY 2001

P-1 SHOPPING LIST, ITEM NO. 45/46



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DATE: MARCH 1996

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MODIFICATION TITLE: MC-130H APU UPGRADE

MODELS OF SYSTEMS AFFECTED: MC-130H

DESCRIPTION/JUSTIFICATION:

Program upgrades the existing auxiliary power unit 85-180L on 17 MC-130H aircraft to provide for the following: improves nozzle and burner to use alternative fuels at attitude; increases cooling by 300%; increases bleed air temperature; extends turbine life; allows for ground cooling when using the auxiliary power unit; and increases the mean time between failures from 2500 hours to 9000 hours. This upgrade will be form, fit, and function to the existing system. Also includes data for depot and aircraft, trainer updates, and two spare upgraded APUs.

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AP FM 1067 and MNS approved Mar 94. Supports MAC 005-83 IVA Talon II SORD. (Aircraft Breakout: 0 ANG; 0 AFRES; 24 Active)

FINANCE	FINANCIAL PLAN: (\$ in millions)	PYs	FY95	FY96	FY97	FY98	FY99	FY00	FY01	TC	TOTAL	
i		s ê	<b>\$</b>	s A	<b>\$</b>	\$ 40	*	<b>\$</b>	<b>\$</b>	<b>\$</b>	₿	•
RDT&B												0.0
PROCUREMENT	EMENT											
å	Installation Kits											П
ā	Installation Kit Nonrecurring											
ক্র	Equipment			1 0.3	23 1.9						24	2.2
র্ক্ত	Equipment Nonrecuring			0.3	0.1							0.4
ă	Engineering Change Orders											
Data	ta				0.1							0.1
ž	Mod of Spares				0.2							0.2
<u>L</u>												
L												
<u> </u>												
Ē	Installation of Hardware											
	PYs											
	FY95											
	FY96											
	FY97 - Install 17 APU Kits											
	FY98											
	FY99											
	FY00											
	FY01											

To Complete
Total Installation Cost

Current Year: 4/96 Current Year: 2/97 ORGANIC METHOD OF IMPLEMENTATION: Total Procurement Cost

CONTRACT DATE: DELIVERY DATE: P-1 SHOPPING LIST, ITEM NO. 45/46

Budget Year 2: ADMINISTRATIVE LEADTIME: 10 MONTHS Budget Year 1: 2/97

9.0

Budget Year 1: 4/97

Budget Year 2:

Page 1 of 1 EXHIBIT P-3A

2.9

PRODUCTION LEADTIME: 6 MONTHS

DATE: MARCH 1996

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: LOW LIGHT LEVEL TV REPLACEMENT

MODBLS OF SYSTEMS AFFECTED; AC-130H

DESCRIPTION/JUSTIFICATION:

This modification will improve the reliability, maintainability, and performance of the LLITV system by modifying and/or redesigning three of its major subsystems. These subsystems are the AN/ARQ-17 camers, AN/ALQ-24C Stabilized Trecking Set, and the AN/ARQ-7 Larer Illuminator. FY95 supports an urgent requirement for additional pedestale.

DEVELOPMENT STATUSMAJOR DEVELOPMENT MILESTONES: (Aircraft Breakout: ANG 0, AFRES 0, Active 8)

FINANCIAL	FINANCIAL FLAN: (\$ in millions)	PYe	FY95	FY96	PY97	86 A.J		FW 999		PY00	FYOI	E	TC TC	TOTAL	<b>₽</b>
		s Aid	& A	S AND	SS ASS	Q.	8	S AND	8	ଊ	S S	B	භ	Š	භ
RDT&B		;		2.9			æ.								4.4
PROCUREMENT	TENT												Warrist Street and Added		
Install	Installation Kits					2	2.2	9	6.5					<b>6</b> 00	8.7
Install	Installation Kit Nonrecurring														
Equipment	ment							***************************************						de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la	
Equip	Equipment Nonrecurring		1.3		8.0										9.3
Modil	Modification of Spares		0.7				1.7	District of the state of the st	1.3						3.7
Pagin	Engineering Change Orders						0.1		0.5						9.6
Date			0.1		e. e.		9.0	The state of the s	0.7						3.2
Interi	Interim Contractor Support		0.4						1.2						1.6
Install	Installation of Hardware														
Opposite the second	PYs													2	
	FY95														
	FY96														
	FY97													The second second second second	
	FY98 - Procure 2 Kits							2	0.3					2	0.3
	FY99 - Procure 6 Kits									6 0.8				9	8.0
	FY00					out the ending that							haday a same and a same		
	PY01						e de marin francisco que en mandamento		cda to approximate to the control of			a manufacture destruction	1942 cm	STREET STREET STREET	
	To Complete					constraining in property of the same is	teduses en manage — passage	A POLICE AND A SECURITARY		dologic					
Total	Total Installation Cost							ભ	O.3	& 8.0				ar <b>9</b>	ক্রব্য ক্রব্য
	Total Procurement Cost		2.5		<b>⊗</b>	€	.6 6		10.5	9.0					28.2
METHOD (	METHOD OF IMPLEMENTATION:	ORGANIC OLL	ORGANIC (ILLUMINATOR): DEPOT	OT (CAMBRA)	ADM	ADMINISTRATIVE LEADTIME:	BLEADTH		6 MONTHS			PRODUCTION LEADTIME: 15 MONTHS	IMB: 15.1	HUNOMITHS	
CONTRACT DATE:	T DATE:	Current Year: N/A	<b>4/A</b>		Budget Year 1: 2/97	1617			æ	Budget Year 2:					
DELIVERY DATE:	DATE	Current Year: N/A	4/A		Budget Year 1: 4/97	4/37			Z	Budget Year 2:	87,8				
P-1 SHOPP	P-1 SHOPPING LIST, ITEM NO. 45/46													Pag	Page 1 of 3 EXHIBIT P-3A

### MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: LOW LIGHT LEVEL TV REPLACEMENT

INSTALLATION SCHEDULE:

		-	Γ					_					L			
QUARTERS					F	FY 1995				FY 1996	966				FY 1997	764
INPUT				1	2	3	4		1	2	3	4		1	2	3
PY																
FY 95			<b>-</b>													
FY 96			1										<u> </u>			
FY 97													<u></u>			
FY 98																
FY 99																
FY 2000																
FY 2001													I			
			ĺ													
QUARTERS					F	FY 1995				FY 1996	966				FY 1997	760
OUTPUT				-	2	3	4		1	2	3	4		1	2	3
PY																
FY 95																
FY 96																
FY 97									17,7							
FY 98																
FY 99								00.000								
FY 2000																
FY 2001				- Lunde												

P-1 SHOPPING LIST, ITEM NO. 45/46

Page 2 of 3 Exhibit P-3A

UNCLASSIFIED
MODIFICATION OF WEAPON SYSTEMS

TOT

MODIFICATION TITLE: LOW LIGHT LEVEL TV REPLACEMENT

INSTALLATION SCHEDULE:

2	COMP										Q Q	COM								
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1											100	3								
FY 2001	٣										FY 2001	2								-
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FY 2000	æ						8				FY 2000	6						8		
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FY 1999	ಅ										666	ሮን					2			
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FY 1998	2	-16 0/4									FY 1998	2								
124											E									
	(2ml)	-			<u> </u>					Į		, and				<u>L</u>				
QUARTERS		M	FY 95	FY 96	FY 97	FY 98	PV 99	FY 2000	FY 2001		QUARTERS	COLPOI	PY	FY 95	FY 96	FY 97	FY 98	FY 99	FY 2000	FW 2001

TOT

Page 3 of 3 Exhibit P-3A

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P-1 SHOPPING LIST, ITBM NO. 45/46

BUDGET II	BUDGET ITEM JUSTIFICATION SHEET	ON SHEET		DATE	MA	MARCH 1996	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	¥	P-1 ITE ARCR	P-1 ITEM NOMENCLATURE AIRCRAFT SUPPORT	EN)			
	FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY							
COST (In Millions \$)	29.636	8.067	13.639	.475	.472	.469	.465

MISSION AND DESCRIPTION: This program provides for various types of equipment required to support Special Operations Forces (SOF) aircraft. A more detailed description and justification of the requirements are as follows:

## 1. ACQUISITION PROGRAMS

Designator (FAD) 1 SOF aircraft. This replacement increases the reliability of these weapon systems; reduces maintenance and support A. Ring Laser Gyros (RLG). This program replaces outdated Inertial Navigation Units with new RLG technology on Force Activity requirements; and enhances navigation and delivery capabilities.

# FY 1997 PROGRAM JUSTIFICATION: Procures 28 RLGs for MC-130E aircraft.

devices, part task trainers, computer-based training equipment, logistics support packages, courseware, and contractor provided instruction B. Aircrew Training System (ATS). SOF ATS supports initial aircraft and mission qualification, continuation training, upgrade training, for all crew members. SOF ATS provides a mix of academics, simulator training, and flight training to produce combat qualified crew and combat mission rehearsal. It is contractor operated and maintained. It is composed of weapon system trainers, mission rehearsal

P-1 SHOPPING LIST, ITEM NO. 50

Page 1 of 2 Pages BXHIBIT P-40 Budget Item Justification Sheet

BUDGET ITEM JUSTIFICATION SHEET	ET	BUDGET ITEM JUSTIFICATION SHEET  MARCH 1996
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NOMENCLATURE AIRCRAFT SUPPORT	

## 1. ACQUISITION PROGRAMS (Cont'd)

C. Interim Contractor Support (ICS). Funds maintenance and support of new end items until the item can be supported organically. These funds are also used to control capital investments in logistic support while requirements are being refined; technical problems resolved; and

PY 1997 PROGRAM JUSTIFICATION: Funds ICS for the AC-130H ASD-5 replacement, Ballistic Computer, MC-130E systems, Night Vision Imaging System, Fire Control/Display System, and Air Data Management System.

D. Aircraft Initial Spares. Effective FY 1996, these monies are requested under the new Spares and Repair Parts P-1 line.

## SUSTAINMENT PROGRAMS

applicable FAA service bulletins, airworthiness directives, safety supplemental inspection directives, and time compliance technical orders. A. United States Special Operations Command and Control (C2) EC-137 Aircraft. This is the SOF C2 aircraft modified with suitable contingency operations and capable of rapid, world-wide deployment. The aircraft transports personnel required for C2 operations and secure communications necessary for United States Special Operations Command to perform its mission. This aircraft is responsive to allows them to interface with other theater staffs. The EC-137 is a modified commercial Boeing 707 and must be kept current with

FY 1997 PROGRAM JUSTIFICATION: Funds engine hush-kit modification and an International Maritime Satellite Radio installation on the EC-137. The hush-kit modification will allow the EC-137 to meet stage III noise requirements effective 1999.

P-1 SHOPPING LIST, ITEM NO. 50

BXHIBIT P-40 Budget Item Justification Sheet

Page 2 of 2 Pages





WEAPON SYSTEM COST ANALYSIS EXHIBIT (P.5) - Aviation	A. Appn Procured	A. Appropriation/Budget Activity Title/No. Procurement, Defensewide/Proc. Just./2	tivity Title/N roc. Just./2	ė	B. Line Item Nomenclature AIRCRAFT SUPPORT	Nomenclatu SUPPORT	2				C. DATE: MAR	TB: MARCH 1996	
	Ident.					FY 1995			FY 1996			FY 1997	
Weapon System Cost Elements	Code		_		Unit Cost	QITY	Total Cost	Unit Cost	ΔIΔ	Total Cost	Unit Cost	QITY	Total Cost
1. ACQUISITION PROGRAMS													
A. RING LASER GYRO	٧				77.281	হ	4,946				89.429	28	2,504
B. AIRCREW TRNG. SYSTEM (See P43)	<		_				3,877			2,045			
C. INTERIM CONTRACTOR SUPPORT	٧X						17,856			4,738			3,431
D. AIRCRAFT INITIAL SPARES	<						1,534						
Subtotal							28,213			6,783			5,935
			_										
2. SUSTAINMENT PROGRAMS													
A. SOF C2 AIRCRAFT	٧×						1,423			1,284			7,704
Subtotal							1,423			1,284			1,704
										·			
		•											
LINB ITEM TOTAL			-				29,636			8,067			13,639

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P-1 SHOPPING LIST, ITEM NO. 50

Page 1 of 1 Page EXHIBIT P-5, Weapon System Cost Analysis

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		CNCL	UNCLASSIFIED							
BUDGET PROCUREMENT		HISTORY AND PLANNING	LANNING				A.	A. DATE:	March 1996	9
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2				C. P-1 IT	P-1 ITEM NOMENCL AIRCRAFT SUPPORT	C. P-1 ITEM NOMENCLATURE AIRCRAFT SUPPORT	Racional mapping page (1) for conflict or the			
LINB ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATB	DATE OF PRST DRL	QUANTITY	UNIT	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
1. ACQUISTION PROGRAMS										
A. RING LASER GYRO								management of the Wilde		
PY 95	Honeywell/Litton	SS/FFPP	OC-ALC	30 NO	AUG 95	\$	77.281			
FY 97	Honeywell/Litton	SS/FFP	OC.ALC	DEC 96	JON 97	28	89.429	YES	NO OM	
				harrow and a second		A		£		

D. REMARKS: Ring Laser Gyro - Unit cost reflects the average cost of the Litton and Moneywell vernions.



P-1 SHOPPING LIST, ITEM NO. 50

Page 1 of 1 Pages EXHIBIT P-5A Procurement History and Planning

	SIMUL	SIMULATOR AND TRAINING DEVIC	INING DEVICE	CE JUSTIFICATION (\$000)	(\$000)		Ď	DATE: MARCH 1996	90
Appropriation/P-1 Line Item Procurement, Defensewide/Ai	Appropriation/P-1 Line Item Procurement, Defensewide/Aircraft Support	Support		Weapon System Special Operations Forces	Forces		Equipment Nomenclature Aircrew Training System (ATS)	enclature System (ATS)	
Fin Plan	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	Total
Quentity	2	0	0	0	0	0	0		
Procurement	57,872	3,877	2,045						63,794
RDT&B	144,805	40,624	18,034	4,339	243	238			208,283
8290	13,858	8,100				`			21,958

TRAINING SYSTEM DESCRIPTION:

This project will develop an integrated, state-of-the art Special Operations Forces (SOF) aircraft, ground-based Aircrew Training System (ATS) to support training, and the extensive crew member training workload for initial, continuation, mission, special mission and upgrade training for 14 crew positions in integrated mission rehearsal capability. The solution to this multifaceted problem is a contractor operated and maintained SOF ATS composed of Weapon System Trainers, Mission Rehearsal Device, part task trainers, maintenance trainers, academics, simulator training, and aircraft flight training to produce aircrews. Existing training rehearsal restrictions caused by airspace/weather, critical mission safety, and security considerations require the capability to combat qualified crew members. This system will also provide combat mission rehearsal capability allowing SOF aircrews to rehearse highly classified, the seven AFSOF aircraft have all contributed to the need for this comprehensive training capability. Decreasing crew member experience levels in all initial aircraft, mission, and special qualification, continuation training, upgrade training, and combat mission rehearsal requirements for the MC-130E Force Special Operations Forces (AFSOF) aircraft and the absence of multi-aircraft, integrated, real-time combat mission rehearsal capability for SOF and MC-130H. The ATS requirement was driven by the lack of formal schools for the majority of SOF crew members represented in the seven Air rehearse extremely sensitive missions of the highest national priority in other than actual aircraft. Increasing operational taskings, joint maneuver crew positions also exacerbates the need for this capability. SOF ATS is the cost effective approach for providing training and fixed site aircrew real-world missions of the highest national priority within 48 hours of tasking by the National Command Authority.

NOTE: The MC-130E rehearsal device terminates in FY 96 to reflect user priorities.

P-1 Shopping List No. 50

EXHIBIT - P-43, Page 1 of 3 P-43 Simulator & Training Device Justification

				UNCLA	UNCLASSIFIED							
	SIMULATO	SIMULATOR AND TRAINING	AINING DEV.	DEVICE JUSTIFICATION (Page 2) (\$000)	TION (Pa	ge 2) (\$000)				DATE:	MARCH 1996	1996
Appropriation/P-1 Line Item Procurement, Defensewide/Aircraft Support	l Support		Weapon System Special Operations Forces	em tions Forces		IOC Date August 1997		Equipment Nomenclature Aircrew Training System (ATS)	lomenclatu ning Syste	ire m (ATS)	PE	
					Pric	Prior Years	FY	FY 1995	FY	FY 1996	FY 1997	997
Training Device by Type	Site	Delivery Date	Ready for Training Date	Average Student Throughput	MA	Cost	QTV	Cost	QTY	Cost	ΔIA	Ş
MC-130E WST **	Kirtland	FEB 97	AUG 97	300	<b></b>	23,042						
MC-130E MRD ***					<b>—</b>	13,336						
REMARKS:												

REMARKS:

\*\*\* WST - Weapon System Trainer

\*\*\* MRD - Mission Rehearsal Device to be terminated in FY96.

P-1 Shopping List Item No. 50

EXHIBIT - P-43, Page 2 of 3 P-43 Simulator & Training Device Justification



SIMU	LATOR .	SIMULATOR AND TRAINING DEVICE	G DEVIC	E JUSTIFICATION		(Page 3) (\$000)				DATE: MARCH 1996	RCH 1996	
Training Device by Type Aircrew Training System (ATS)	_					Weapon System Special Operations Forces	sm tions Force	<b>5</b>				
Description/Justification:  A contractor-managed, simulator-type aircrew training system which produces a qualified aircrew member. Funds procurement and deploym of a trainer, and imagery support system, providing real-world mission rehearsal capability for MC-130 aircraft. The imagery support system consists of both Mission Rehearsal Imagery Support System (MRISS) and a Data Base Generation System (DBGS).  * Spares are procured for three devices: MC-130H Weapon System Trainer.	imulator- support Rehearsa	simulator-type aircrew training ry support system, providing rean Rehearsal Imagery Support System ree devices: MC-130H Weapon System	training viding re upport S	system whi al-world mis ystem (MRI)	ich produssion reh SS) and	ices a qualificarsal capab a Data Basi	fied aircr illity for e Genera Device, an	ew member. MC-130 air tion Systen d the MC-130	Funds craft. TI (DBGS)	system which produces a qualified aircrew member. Funds procurement and deployment al-world mission rehearsal capability for MC-130 aircraft. The imagery support system ystem (MRISS) and a Data Base Generation System (DBGS). Trainer, MC-130H Mission Rehearsal Device, and the MC-130E Weapon System Trainer.	and dep	loyment stem
Financial Plan	Pri	Prior Years	E	FY 1995	F	FY 1996	E	FY 1997	Cost to	Cost to Complete		Total Cost
	QTY	Cost	QTY	Cost	QTY	Cost	QTY	Cost	QTY	Cost	QTY	Cost
HARDWARE COSTS												
Device (Hardware)	2	36,378									2	36,378
ECOs												
Nonrecurring												
GPE												
Other (MRISS,TMS,DBGS)		13,976										13,976
Total Hardware Costs	2	50,354									2	50,354
SUPPORT COSTS												
Special SE (SOPPREP)		1,086										1,086
Integrated Log Support		4,025										4,025
Other (Spares/Data/Misc.)		1,737		3,877*		2,045*						7,659
Total Support Costs		6,848		3,877		2,045						12,770
Software/Courseware		670										0/9
TOTAL COSTS	2	57,872		3,877		2,045					2	63,794

P-1 Shopping List Item No. 50

EXHIBIT P-43, Page 3 of 3 P-43 Simulator & Training Device Justification

BUDGET PRODUCTION SCHEDUE	EDUCE				P-1 TEM NOMENOLATURE	E	2	NO.	NG CA	R	ij			1				1										-			-	DATE	ii.								Γ
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TEM / MANUFACTURER/		¥.	8	Z Z			L			ı				E333		4	₹	CKEND	8	8	YEAR					根		8	13	83				SE			6				
PROCUREMENT VEAR	m & >	PROC PRICA ATY 1 TO	<u>}</u>	28 200 200										20≥ 100±	2 E C	7 <b>4</b> Z	# 38 8 € E	384 484 302	247	בכר סכר	K⊃o	on mor	<u>20&gt;</u> 00⊢	OMO	242 868 868 848 848	7 M 8	< 0. C	<b>3</b> ∢>	734 732	∢⊐0	മയമ	<u>₹0&gt;</u>	OMO	PAZ	24x 400 200 200 400	≪ o_ cr	Z 4>	73_		மை	- wa
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BUDGET ITEM	BUDGET ITEM JUSTIFICATION S	SHEBT		DATB	MARC	MARCH 1996	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM NG MK 8 MOD	P-1 ITEM NOMENCLATURE MK 8 MOD I - SEAL DELIVERY VEHICLE (SDV)	Y VEHICLE (SD	S		
	FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY	2	4	4	3	1	•	
COST (In Millions \$)	11.792	11.028	9.255	6.005	2.538		

MISSION AND DESCRIPTION: The mission of the MK 8 Mod 1 SEAL Delivery Vehicle (SDV) is clandestine infiltration / exfiltration of SEAL combat swimmers into hostile/denied shore areas and harbor / port facilities for the conduct of special operations. The MK 8 Mod 1 SDV program is a Service Life Extension Program (SLEP) of the in-service MK 8 Mod 0 SDV to extend the life of this mobility platform by 15 years. The SLEP effort focuses on correcting identified and projected sustainability and maintainability problems within selected

FY 1997 PROGRAM JUSTIFICATION: Funds will be used to procure / install engineering improvements for four SDVs including Global Positioning System, Obstacle Avoidance Sonar, secure communications, mission data recorders, direct current propulsion motor, and pilot / navigator displays.

					-			The second secon	The second second				
WEAPON SYSTEM COST ANALYSIS ERCHIBIT (P-5) - Shipbuildes	A. Appro	A. Appropriation/Budget Activity Title/No. Procurement, Defensewide/Proc. Just./2	ctivity Title/No. Troc. Just./2	B. Lin	B. Line Rem Nomenclature MK 8 MOD 1 - SEAL DEI	nenclature SEAL DE	B. Line Item Nomenciature MR 8 MOD 1 - SEAL DELIVERY VEHICLE (SDV)	ICLE (SDV)			C. DATE: MAR	E: MARCH 1996	
ancistaterini kilon, y sametri jegive piperinci teks karatum kepaten gala alaman kanan mandikadi dan karatupan	Ident.				E	FY 1995			FY 1996			FY 1997	
Weapon System Cost Elements	Code			Uni	Unit Cost	OTT.	Total Cost	Unit Cost	ALL	Total Cost	Unit Cost	QIA	Total Cost
1. MK 8 MOD 1 SDV SYSTEMS													
A. OPS	*				159.500	2	319						
B. SONAR - Obstacle Avoidance	٧				839.000	2	1,678	461.750	4	1,847	454.500	*	1,818
C. SONAR - Docking	A			7	207.500	2	415	52.250	4	209	\$1.500	4	205
D. Secure Communications - HF/UHF Redio	4				198.000	2	3966	87.750	4	231	\$6.750	4	227
B. Mission Data Recorder	8				249.500	2	460	58.750	4	235	\$8.000	\$	232
R. Propulsion Motor	«				431.500	~	963	85.250	4	341	83.500	*	334
G. Display - Units	4				366.000	2	732	173.500	4	<del>\$</del> 69	171.000	4	684
H. Dopplar Navigation SONAR (DNS)	4				205.000	2	410	46.750	4	187	46.000	4	184
I. Auxiliary Navigation System (ANS)	₩							24.750	\$	8	24.250	Ą	16
J. Frames/Hull Mech	A						946						
K. Install of Modifications	N/A						2,083			2,721			2,720
I. Documentation	A/N						306						
M. Acceptance Testing	V/N						882						
N. Production Engineering	N/A						2,263						
O. Integrated Logistics Support	N/A									2,567			\$99
P. Production Support	N/A									1,897			2,090
							an, e						
								٠					
LINB ITEM TOTAL							11,792			11,028			9,255

P-1 SHOPPING LIST, ITEM NO. 53



Page 1 of 1 Page EXHIBIT P-5, Weapon System Cost Analysis

Г	•••• <u> </u>			-				-		-						-				
	9		IF YES, WHEN AVAIL				<u>قة بين بين</u>													
	March 1996		SPEC REVIS REQ'D									ON O		ON					ON ON	
	A. DATE:	(SDV)	SPECS AVAIL NOW									YES		YES					YES	
	'	VEHICLE	UNIT			159.500		839.000		461.750		461.750		454.500			207.500	52.250	\$1.500	
		P-1 ITEM NOMENCLATURE MK 8 MOD 1 - SEAL DELIVERY	QUANTITY					2		2		2		*			2	₹	₹	
		C. P-1 ITEM NOMENCLATURE MK 8 MOD 1 - SEAL DELIVE	DATE OF FIRST DEL			NAN 98		FEB 95		30F 36		JAN 97		TUL 97		-	DBC 95	MAY 96	MAY 97	
3		C. P-1 ITI MK 8 1	AWARD DATE			MAR 95		AUG 95		36 NAI		30T %		JAN 97			JAN 95	NOV 95	NOV 96	
UNCLASSIFIED	AND PLANNING		CONTRACTED BY		,	NSWC, Dhigm		NSWC, Dhigm		NSWC, Dhigm		NSWC, Dhigm		NSWC, Dhigm			NSWC, Dhigm	NSWC, Dhigm	NSWC, Dhigm	
	HISTORY		CONTRACT METHOD & TYPE			OTHER		SS/FP		SS/FP	NOLLAO	SS/FP	NOLLAO	\$\$/FP	OPTION		OTHER	OTHER	OTHER	
	BUDGET PROCUREMENT	X.	CONTRACTOR AND LOCATION			VARIOUS		SONATECH	Santa Berbera, CA	SONATECH	Santa Barbara, CA	SONATECH	Santa Barbara, CA	SONATECH	Santa Berbera, CA		VARIOUS	VARIOUS	VARIOUS	
	BUDGET	B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	LINB ITEM FISCAL YEAR	1. MK 8 MOD 1 SDV SYSTEMS	A. GPS	FY 95	B. SONAR - OBSTACLE AVOIDANCE	FY 95		FY 96				FY 97		C. SONAR - DOCKING	FY 95	FY 96	FY 97	

P-1 SHOPPING LIST, ITEM NO. 53

Page 1 of 4 Pages EXHIBIT P-5A Procurement History and Planning

D. REMARKS: 1. FY95 unit cost appears higher than outyear unit cost due to the engineering effort associated with transitioning the ECP from development to production.

2. For ECPs that reflect various contractors, the Coartal Systems Station will procue the piece parts via Procurment Requests (PR), assemble the unit on site, and prepare the assembly for installation during the overhaul procedure.

28. Harris Corporation will provide HF radio; Magnavox will provide UHF.

<sup>3.</sup> Contract Method & Type Other = PR

	A. DATE: March 1996	P-1 ITEM NOMENCLATURE MK 8 MOD 1 - SEAL DELIVERY VEHICLE (SDV)	DATE OF     SPECS     SPEC     IF YES,       VARD     FIRST     UNIT     AVAIL     REVIS     WHEN       AATR     DEL,     QUANTITY     COST     NOW     REQ'D     AVAIL		AR 95 JAN 96 2 109.058		AR 95 IAN 96 2 88.942		OV 95 MAY 96 4 31.780		OV 95 MAY 96 4 25.970		OV 96 MAY 97 4 31.406 YES NO		IOV 96 MAY 97 4 25.344 YES NO			
	NING	C. P-1 I	TED AWARD DATE		gm MAR 95		gm MAR 95	- Ale (1997)	Igma NOV 95		lgm NOV 95		ligra NOV 96		ulgra NOV %	And particular to the second		
	IY AND PLANNING		CONTRACTED BY		R NSWC, Dhigm		R NSWC, Dalgm		R NSWC, Dalgen	The second second second	R NSWC, Dhigm		R NSWC, Dhigm		R NSWC, Dhigm		- m- and a district of the second	
	ENT HISTORY		CONTRACT METHOD  A TYPE		\$S/OTHER		\$\$/OTHER		SS/OTHER		\$S/OTHER	·	SS/OTHER		SS/OTHER	enjong same		
eponycionyconni social cambinate (citato con 2000) (citato con 2000)	BUDGET PROCUREMENT	A.L	CONTRACTOR AND LOCATION		HARRIS (HF)	Rochester, NY	MAGNAVOX (UHP)	Ft. Waynes, IN	HARRIS (HP)	Rochester, NY	MAGNAVOX (UHP)	Pt. Wayne, IN	HARRIS (HF)	Rochester, NY	MAGNAVOK, (UHP)	Pt. Wayne, IN	- Name of the last	
	BUDGET	B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	LINB ITEM FISCAL YEAR	D. SECURE COMMUNICATIONS - HE/UHF RADIO	FY 95				FY 96				70 yr					

D. REMARKS: 1. FY95 unit cost appears higher than outyear unit cost due to the engineering effort associated with transitioning the ECP from development to production.

2. For ECPs that reflect various contractors, the Coartal Systems Station will procure the piece parts via Procurement Requests (PR) assemble the unit on site, and prepare the assembly for installation during the overhand



Page 2 of 4 Pages EXHIBIT P-5A Procurement History and Planning

procedure. 3. Contract Method & Type Other = PR

P-1 SHOPPING LIST, ITEM NO. 53

			ONCLASSIFIED	CD						
BUDGET	BUDGET PROCUREMENT	HISTORY	AND PLANNING	τ.			1	A. DATE:	March 1996	
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	ITY			C. P-1 IT MK 8 I	C. P-1 ITEM NOMENCLATURE MK 8 MOD 1 - SEAL DELIVE	P-1 ITEM NOMENCLATURE MK 8 MOD 1 - SEAL DELIVERY	VEHICLE (SDV)	(SDV)		
LINB ITEM FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATB	DATE OF FIRST DEL	QUANTITY	UNIT	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
B. MISSION DATA RECORDER										
FY 95 - Audio/Visual Recorder	SONY (Audio/Virual)	\$\$/FP	NSWC, Dhigm	MAR 95	NAI 96	8	112.434			
	Cranbury, NI									
Digital Recorder	VARIOUS	\$\$/OTHER	NSWC, Dhlgm	MAR 95	S6 NVI	2	137.066			
FY 96 - Audio/Visual Recorder	SONY (Audio/Vieual)	SS/FP	NSWC, Dhigm	NOV 95	MAY 96	4	26.500			
	Cranbury, NJ	OPTION					eto:			
Digital Recorder	VARIOUS	OTHER	NSWC, Dhigm	NOV 95	MAY 96	4	32.250			
FY 97 - Audio/Visual Recorder	SONY (Audio/Visual)	SS/FP	NSWC, Dhigm	NOV %	MAY 97	4	26.000	YES	NO	
	Cranbury, NJ	NOLLAO								
Digital Recorder	VARIOUS	OTHER	NSWC, Dhigm	NOV 96	MAY 97	*	32.000	YES	ON.	
F. PROPULSION MOTOR FY 95	Motion Ctrl Sys Redford, VA	\$\$/FPP	NSWC, Dhigm	JUL 95	JAN 96	2	431.500			

P-1 SHOPPING LIST, ITEM NO. 53

Page 3 of 4 Pages EXHIBIT P-5A Procurement History and Planning

D. REMARKS:

1. FY95 unit cost appears higher than outyear unit cost due to the engineering effort associated with transitioning the BCP from development to production.

2. For BCPs that reflect various contractors, the Coastal Systems Station will procure the piece parts via procurement requests, assemble the unit on site, and prepare the assembly for installation during the overhaul procedure.

3. Contract Method & Type Other = PR

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		a, ⊠ ¬I				dan communica	and the second	<del>verilini</del> t ne <del>ve</del>		***************************************				- Albania (gale garefina					
9		IF YES, WHEN AVAIL																e es se se se se se se se se se se se se	
March 1996		SPEC REVIS REQ'D				NO					NO				NO			NO	
A. DATE:	(SDV)	SPECS AVAIL NOW				YES					YES				YES			YES	
4	VEHICLE	UNIT		85.250		83.500			366.000	173.500	171.000	and produces and the	205.000	46.750	46.000	-	24.750	24.250	
	P-1 ITEM NOMENCLATURE MK 8 MOD 1 - SEAL DELIVERY	QUANTITY		4		♥			~	**	430	ang kanda (1946)	8	♥	₹		•	**	
	C. P.1 ITEM NOMENCLATURE MK 8 MOD 1 - SEAL DELIVI	DATE OF FRST DEL		MAY 96		MAY 97			JAN 96	MAY 96	MAY 97		JAN 96	MAY 96	MAY 97		MAY 96	MAY 97	
	C. P-1 ITE MK 8 N	AWARD DATE		NOV 95		NOV 96		2000	MAR 95	NOV 95	NOV 98		MAR 95	NOV 95	NOV 96		NOV 98	NOV 96	
AND PLANNING		CONTRACTED BY		NSWC, Dalem		NSWC, Dhigm			NSWC, Dhigm	NSWC, Dhigm	NSWC, Dhigm		NSWC, Dhigm	NSWC, Dhigm	NSWC, Dhigm		NSWC, Dhigm	NSWC, Dhigm	
HISTORY		CONTRACT METHOD & TYPB		C/FFF		C/FPP			OTHER	OTHER	OTHER		OTHER	OTHER	OTHER		OTHER	отнек	
BUDGET PROCUREMENT	A	CONTRACTOR AND LOCATION		Motion Control Sys	Redford, VA	Motion Control Sys	Redford, VA		VARIOUS	VARIOUS	VARIOUS		VARIOUS	VARIOUS	VARIOUS		VARIOUS	VARIOUS	
BUDGET	B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	LINB ITEM/ FISCAL YEAR	P. PROPULSION MOTOR (Com'd)	FY 96		FY 97		G. DISPLAY - UNITS	PA 98	FY 96	FY 97	H. DOPPLER NAVIGATION SONAR (DNS)	FY 95	FY 96	FY 97	I. AUXILIARY NAVIGATION SYSTEM (ANS)	FY 96	FY 97	

P-1 SHOPPING LIST, ITEM NO. 53





D. REMARKS:
1. FY95 unit cost appears higher than outyear unit cost due to the engineering effort associated with transitioning the ECP from development to production.
2. For ECPs that reflect various contractors, the Coartal Systems Station will procure the piece parts via Procurement Requests (FR), assemble the unit on eith, and prepare the assembly for installation during the overhaul

procedure. 3. Contract Method & Type Other = PR

BUDGET ITEM JUSTIFICATION SI	ON SHEET		DATE	TE	MARCH 1995	995	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 II SUBN	P-1 ITEM NOMENCLATURE SUBMARINE CONVERSION	ATURE RSION				
	FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY DDS Host Conversions		1		3		•	
COST (In Millions \$)	6.071	4.647	8.913	17.188	.284	.328	

SSN 688 class submarines as Dry Deck Shelter (DDS) host submarines to replace the decommissioning SSN 637/640 class submarines. All execution of Special Operations missions as the Naval component of the U. S. Special Operations Command. This conversion will provide current DDS host submarines (SSN 637/640 class) are scheduled for inactivation soon. This inactivation schedule is classified and will be MISSION AND DESCRIPTION: This program supports Naval Special Warfare Command's equipment and mission requirements for the provided upon request. These modifications will ensure the continued capability for clandestine, underwater SEAL and SEAL Delivery Vehicle (SDV) infiltration/exfiltration operations.

fixtures), prepares operational manuals, and funds host certification. Also, orders those subsystems, components, and materiel needed for FY 1997 PROGRAM JUSTIFICATION: Funds work package preparation, prefabrication of kit assemblies (piping, valves, external hull one Dry Deck Shelter host submarine.

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WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5) - Shipbuilding	A. Appro Procuren	A. Appropriation/Budget Activity Title/P Procurement, Defensewide/Proc. Just./2	ivity Title 90. Just./	ne/No.	B. Line Item Nomenclature SUBMARINE CONVERSION	omenciatus CONVERS	NOI				C. DATE:	TB: MARCH 1996	tingualism criticals or a proproachimism and dealers
	Ideat					FY 1995			FY 1996			FY 1997	
Weapon System Cost Elements	දින්දු				Unit Cost	Æ	Total Cost	Unit Coet	QTY	Total Cost	Unit Cost	ALLO	Total Cost
1. SUBMARINE CONVERSION													
A. Dry Deck Shelter Host Conversion	A						The straight of the straight o						
(1) Ship Ak/Detail Design/Install						VAR	3,985		WAR	4,647		VAR	4,413
(2) Fabrication of Ship Alt Kits												VAR	3,055
(3) Certification & Trials							2,086						1,448
Subtotal							6,071			4,647			8,913
	-												
								•					
LINB ITEM TOTAL							6,071			4,647			8,913
												, , , , , , , , , , , , , , , , , , ,	

P-1 SHOPPING LIST, ITEM NO. 54/55

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Page 1 of 1 Page EXHIBIT P-5, Weapon System Cost Analysis



BUDGET ITEM JUSTIFICATION SHEET	STIFICATION SH	BET		DATE	MARC	MARCH 1996	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDB / 2		P-1 ITEM NON MK V SPECIA	P-1 ITEM NOMENCLATURE MK V SPECIAL OPERATIONS CRAFT	CRAFT	·		
	FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY	2	4	9	. 9			
COST (In Millions \$)	14.522	35.884	41.211	35.384			

be a high performance combatant craft capable of being transported over land and on-board C-5 aircraft on its own transporter system. The Operations Forces (SOF). It will have the inherent ability to support limited coastal patrol and interdiction taskings. The MK V SOC will MISSION AND DESCRIPTION: The MK V Special Operations Craft (SOC) will conduct medium range insertion / extraction of Special justified by potential maritime SOF employments in all unified areas of responsibility. The program is structured to procure, sustain and need for this type of combatant craft was validated during operation Desert Shield and Desert Storm in the Persian Gulf and is further man operational systems (i.e. detachments) annually, vice individual items of equipment.

FY 1997 PROGRAM JUSTIFICATION: Procures three (two craft each) operational MK V SOC detachments (six total craft and support packages)

Beginning with FY 1996, spares and deployment package funding is located in SOF Spares and Repair Parts line. Pre-planned product improvement funding is now located in Maritime Equipment Modifications line.

P-1 SHOPPING LIST, ITEM NO. 56

Page 1 of 1 Page EXHIBIT P-40 Budget Item Justification Sheet

		and the second s							-	одината в предоставления предоставл			Contract of the Contract of th
WRAPON SYSTEM COST ANALYSIS EXHIBIT (P-5) - Shipbulding	A. Appro Procurem	A. Appropriation/Budget Activity Title/R Procurement, Defensewide/Proc. Just./2	tivity Titl roc. Just.	itte/No. 1st./2	B. Line Item Nomenchiure MK V SPECIAL OPERATI	omenclatu L OPERA	B. Line Item Nomenchaute MK V SPECIAL OPERATIONS CRAFT	g.,			C. DATE: MAI	3: MARCH 1996	- Andrew Silver State St
A THE TAX AND THE	Ideat.			The state of the s	M. Commission of the commissio	FY 1995			FY 1996			FY 1997	
Weapon System Cost Elements	Code				Unit Cost	QIV	Total Cost	Unit Cost	QTA	Total Cost	Unit Cost	QIL	Total Cost
1. MK V SPECIAL OPERATIONS CRAFT													
A. MK V SOC	8				3,782.500	2	7,565	4,728.500	4	18,914	4,472.500	9	26,835
B. Transporter	A				907.500	7	1,815	1,039.250	*	4,157	831.000	9	4,986
C. Heavy Support Vehicle (M1083)	8				167.500	2	335	157.500	49	630	160.000	vo	096
D. Light Support Vehicle (M1097)	4				62.500	4	250	65.500	8	\$24	67.500	12	810
B. S-250 Shelter	A				F.000	Ø	4	14.500	co	116	15.000	13	180
F. ISU-90 Shelter	4				40,000	-	40	32.500	4	130	33.333	6	100
G. Production Engineering	N/A						716			2,182			1,700
H. Deployment Package	N/A				1,330.000	<del>-</del>	1,330						
I. Tractor (M916A1B1)	4						and the second s	203.000	10	2,030	208.571	7	1,460
J. Acceptance Tests	N/A						145						
K. Basic Communications	4				\$60.000	2	1,000	625.000	10	6,250	633.333	છ	3,800
L. Support Equipment	<					WAR	432		VAR	781		VAR	200
M. Skide	∢				26.500	2	53	42.500	4	170	30.000	9	180
N. Spares	<				837.000	1	837						
							etonemente de managemente de la constante de l						
		0											
LINE ITEM TOTAL							14,522			35,884			41,211

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P-1 SHOPPING LIST, ITEM NO. 56

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	1							1		
BUDGET PROCUREMENT		HISTORY AND P	AND PLANNING				Y.	DATE	March 1996	و
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2				C. P-1 ITI MK V	EM NOME SPECIAL	P-1 ITEM NOMENCLATURE MK V SPECIAL OPERATIONS	S CRAFT			
LINB ITEM/ FISCAL YBAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DEL	QUANTITY	UNIT	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
1. MK V SPECIAL OPERÀTIONS CRAFT SUPPORT										
A. MK V soc										**************************************
FY 95	Halter Marine New Orleans, LA	OPTION	изосом	MAR 95	JAN 96	8	3,782.500			
FY 96	Halter Marine New Orleans, LA	OPTION	изосом	NOV 95	AUG 96	*	4,728.500			
FY 97	Halter Marine New Orleans, LA	OPTION	USSOCOM	OCT %	JUN 93	9	4,472.500	YES	S.	
B. TRANSPORTER										
FY 95	Halter Marine New Orleans, LA	OPTION	USSOCOM	MAR 95	JAN 96	2	907.500			
FY 96	Halter Marine New Orleans, LA	OPTION	иззосом	S6 NON	AUG 96	₹	1,039.250			
FY 97	Halter Marine New Orleans, LA	OPTION	USSOCOM	96 LOO	JUN 97	9	831.000	YES	NO	
C. HEAVY SUPPORT VEHICLE (M1083)										
FY 95	Stewart/STVSO	OPTION	Army, TACOM	SEP 95	APR 96	2	167.500			
FY 36	Stewart/STVSO	OPTION	Army, TACOM	OCT 95	APR 96	*	157.500	مسم		
FY 97	Stewart/STVSO	OPTION	Army, TACOM	OCT %	APR 97	•	160.000	YES	Q N	
D. LIGHT SUPPORT VEHICLE (MI097)										
FY 95	AM General	OPTION	Army/TACOM	SEP 95	APR 96	₹	62.500			
FY 96	AM General	OPTION	Army, TACOM	OCT 95	APR 96	••	68.500			

P-1 SHOPPING LIST, ITEM NO. 56

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BUDGET PROCUREMENT		HISTORY AND P	AND PLANNING				•	DATE.	March 1996	¥
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2				C. P-1 II	EM NOME	P-1 ITEM NOMENCLATURE MK V SPECIAL OPERATIONS	CRAI	l l		
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPB	CONTRACTED BY	AWARD DATB	DATE OF FIRST DEL	QUANTITY	UNIT	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
FY 97	Al General	OPTION	Army, TACOM	96 TOO	APR 97	12	67.500	YES	NO	
B. S.250 SHELTER										
S6 AH	SOFSA	2	USSOCOM	MAR 95	APR 95	₹	1.000			
FY 96	SOFSA	2	USSOCOM	OCT 95	JAN 96	<b>ex</b> )	14.500			
46 Rei	SOFSA	2	USSOCOM	oct &	JAN 97	13	15.000	YES	0X	
F. ISU-90 SHELTER										
S6 XII	SOFSA	20	USSOCOM	MAR 95	APR 95		40.000			
FY 96	SOFSA	Q.	USSOCOM	0CL 98	JAN 96	4	32.500			
FY 97	SOFSA	2	USSOCOM	OCT 96	JAN 97	en	33,333	YES	N O	
H. DEPLOYMENT PACKAGE									and the second second	
FY 95	VARIOUS	C & SS	USSOCOM	JUN 95	JUL 95	<b>c=</b> 1	1,330.000			
I. TRACTOR (M916A1E1)										
FY 96	Freightliner	NOTTAO	Army, TACOM	OCT 95	NON %	10	203.000			
FY 97	Freightliner	OPTION	Army, TACOM	OCT 96	JUN 97		208.571	YES	NO	
K. BASIC COMMUNICATIONS									45.2450.04VPA	
FY 95	VARIOUS	C/FP	USSOCOM	MAR 95	MAY 95	2	\$60.000	o any ta	and the same of th	
FY 96	VARIOUS	C/FF	USSOCOM	OCT 95	SEP 96	0	625.000	September 1 man		
FY 97	VARIOUS	CARP	USSOCOM	OCT 98	SEP 97	8	633.333	YES	NO	
M. SKIDS		w//0.6011 40 ##								
FY 95	Halter Marine New Orleans, LA	OPTION	USSOCOM	MAR 95	JAN %	8	26.500			
				Actualism and Astronomy		Anna			***************************************	

P-1 SHOPPING LIST, ITEM NO. 56



Page 2 of 3 Pages EXHIBIT P-5A Procurement History and Planning

FIND TO THE PROPERTY OF THE PR	- 1	A GIVA VAC	AND M ANNING							
JOHN TENTO		HISTORY AND P	AND PLAINING				Ÿ	A. DAIE:	March 1996	٥
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2				C. P-1 II MK V	EM NOMI SPECIAL	C. P-1 ITEM NOMENCLATURE MK V SPECIAL OPERATIONS	S CRAFT			
LINB ITEM/ FISCAL, YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATB	DATE OF FIRST DEL	YTITIAUQ	UNIT	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
FY 96	Hatter Marine New Orleans, LA	OPTION	USSOCOM	NOV 95	₩ ĐNY	4	42.500			
FY 97	Halter Marino New Orleans, LA	NOLLION	Иѕѕосом	OCT 96	JUN 97	٧	30.000	YES	NO	
N. SPARES										
FY 95	VARIOUS	C & SS	USSOCOM	S6 NOI	JUL 98	c=i	837.000			
							·			
D. REMARKS:										

P-1 SHOPPING LIST, ITEM NO. 56

Page 3 of 3 Pages EXHIBIT P-5A Procurement History and Planning

S HUSE'S MULTINORE LEADING	Enna				9	HE	0	Hines		100																				1				ĺ	I			ſ
					¥	MK V SPECIAL OF	₹	OPE		N	PERATIONS CRAFT																		3		-	MARCH	X 588	22				
ITEM / MANUFACTURERY			8	BAL	1	T	L	1	1						FISCAL		YEAR 88 CALENDAR	86	WEAR	98				3	FIBCAL YEAR 08 CALENDAR YEAR	88	<b>88</b> 8	128		3333	18	N N	FISCAL YEAR 97	6 8 8 8			٥	
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P-1 SHOPPING LIST, ITEM NO. 89	Egg.	Ω. 88			H.				-		4		1	PAGE	PAGE 1 OF 1 PAGE	7	PAGE														-				EXHIBIT	1	P-21	]_
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BUDGET ITE	BUDGET ITEM JUSTIFICATION SHEET	N SHEBT		DATE	MAF	MARCH 1996	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM SOF ORD	P-1 ITEM NOMENCLATURE SOF ORDNANCE ACQUISITION	i ION			
	FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY							
COST (In Millions \$)	13.224	18.689	6.161	13.380	13.571	4.646	3.260

Name Change: Line Item formerly called "SOP Pyro/Demo".

MISSION AND DESCRIPTION: The items included within this P-1 line are ordnance items that have acquisition requirements. This program provides a variety of items developed and modified for Special Operations Forces (SOF)

- of defeating tracked/wheeled vehicles, POL/ammunition storage sites and parked aircraft at a standoff distance. SLAM replaces heavier and 1. Selectable Lightweight Attack Munition (SLAM). SLAM is a 2.2 pound hand emplaced munition of various detonation methods capable bulkier munitions that are often not suitable to meet SOF mission requirements.
- 2. SOF Demolition Kit. This kit consists of inert warheads, liners, shaped charges, tools, equipment, and attaching devices for constructing and emplacing a variety of demolition charges. The kit allows the SOF operator to tailor the demolition charges to the target providing greater lethality and mission flexibility.
- 3. Time Delay Firing Device (TDFD). The TDFD is an improved firing device which replaces the outdated six versions of the M1 firing
- 4. 25mm High Explosive Incendiary (HEI). This program has transitioned to logistics sustainment. Funding is now in the SOF Ordnance Replenishment Line Item.

P-1 SHOPPING LIST, ITEM NO. 57

EXHIBIT P-40 Budget Item Justification Sheet

BUDGET ITEM JUSTIFICATION SHEET	IT DATE	
		MARCH 1996
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NOMENCLATURE SOF ORDNANCE ACQUISITION	

failure over the past 40 years, and when attached to improved, more lethal projectiles, becomes a safety hazard to the gunship and its crew. This program has transitioned to procurement to replace fuzes on 1.2 million rounds through 1999. (This program is in the SOF Platform 5. 40mm Refuze. This program develops a more effective 40mm round of ammunition to more successfully engage and defeat personnel and lightly armored targets. Moreover, an urgent safety requirement exists to replace the current MK-27 fuze which has been prone to Gun Ammunition line in FY 1995 and prior).

FY 1997 PROGRAM JUSTIFICATION: This is a continuing effort to replace the unsafe fuze on the 40mm inventory. Funding procures 271,500 rounds. 6. Remote Activated Munitions System (RAMS) - RAMS provides a capability to remotely control detonation of demolition charges or the remote operation of other items of equipment such as beacons, laser markers, radios, and weapons.

FY 1997 PROGRAM JUSTIFICATION: This procurement is a direct result of a development effort by SOF and acquires approximately 100 sets. Each set consists of one transmitter, one Auxiliary Power Pack, and seven Type A Receivers.

- exercises, submarine rescue an search and rescue operations. NSW demolitions are required for fleet units to perform training functions and 7. Naval Special Warfare (NSW) Pyrotechnics and Demolitions. NSW forces require a variety of pyrotechnic devices for training, combat operating requirements.
- 8. Activated Metal Decoy (AMD). The AMD system is discharged in flight as a decoy to anti-aircraft weapons to mask aircraft location.
- 9. Stinger Modification. Procures hardware and software modifications to improve Stinger missile performance against aerial targets which are slow moving, employing advanced countermeasures, or operating at night. These modifications will also improve performance against

P-1 SHOPPING LIST, ITEM NO. 57

Page 2 of 3 Pages EXHIBIT P-40 Budget Item Justification Sheet



BUDGET ITEM JUSTIFICATION SHEET	Т	DATE MARCH 1996
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NOMBNCLATURE SOF ORDNANCE ACQUISITION	

command and launch platforms including the gripstock used for the Patrol Coastal Man-Portable Air Defense (MANPAD) launching of missiles. The Stinger missile is the Navy SOF Patrol Coastal Ship class's primary weapon and they are also employed by Navy SEAL slow moving surface craft that are operating day or night. The modifications will maintain compatibility with all current and planned teams and the SEAL delivery vehicle teams.

Note: The P-20 exhibits (Requirements Study) are classified and not included with the Budget Submission. These documents can be furnished upon request. 10. LIMPET. Provides Sea, Air, and Land (SEAL) units the LIMPET Assembly Module (LAM) MK-5, Practice LIMPET Assembly Module (PLAM) MK-6, and Engineering Change Proposals (ECP) for LAM MK-5/PLAM MK-6.

objective, and meet SEAL training requirements. Also provides funds for production engineering and ECP for Power Supply MK 156 Mod FY 1997 PROGRAM JUSTIFICATION: Funds are needed to continue to install product improvements, restore LIMPETs to the inventory I and MK-6 PLAM procurement support. Procures Wing and Yoke Kits for the MK-6 PLAM.

Note: Because many types of ammunition are included in each item within the P-5 exhibit, the unit cost reflected is an average amount.

MODIFICATION SUMMARY FOR SOF ORDNANCE ACQUISITION

FY 95 FY 96 FY 97 FY 98	4.787
DESCRIPTION	tinger Block I

FY 01

P-I SHOPPING LIST, ITEM NO. 57

Page 3 of 3 Pages EXHIBIT P-40 Budget Item Justification Sheet

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Dept.   Dept	WEAPON SYSTEM COST ANALYSIS EKHIBIT (P.S) - AMMUNITION	A. Approl Procurem	printion / Budget Activity Title / ] ent, Defensewide / Proc. Just. / 2		n Nomenclatu 4ANCE ACQI	re UISTITON				C. DATE:	ICH 1996	
Code		Ident.			FY 1995			FY 1996		A STATE OF THE PERSONS ASSESSED.	FY 1997	
1	Weapon System Cost Elements	Sec.		Unit Cost		Total Cost	Unit Cost	ALL M	Total	Unit	VTØ	Total Cost
A	1. SELECTABLE LT WT ATTACK MUNITION	<										
A A A A A A A A A A A A A A A A A A A	A. HARDWARB			1.04			1.001	8,800	5,804			
A												
A A	2. SOF DEMOLITION KIT	<										
A A CONTRACTOR OF THE CONTRACT	A. HARDWARB							VAR	688			
A												
A	3. TIME DELAY FIRING DEVICE (TDFD)	¥										
A	A. HARDWARB (TRAINERS)						1.154	260	300			
A A B B C C C C C C C C C C C C C C C C												
A A 0.024 271.07  A A A A A A A A A A A A A A A A A A A	4. 25MM HEI	₩										
A	A. HARDWARB							N/A	31			
A A B B B B B B B B B B B B B B B B B B												
B	5. 40MM PGU9 A/B REFUZE	∢									_	
A A VAR 7,228 VAR 7,228 A SI-913 A SI-9	A. HARDWARB						0.024	271,000	6,504	0.016		4,334
A A A A A A A A A A A A A A A A A A A												
A A VAR 7,228 VAR A 1,228 A A A A A A A A A A A A A A A A A A	6. REMOTE ACTIVATED MUNITIONS SYS	æ										
A A YAR 7,228	A. HARDWARB							VAR	150	11.560		1,156
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A	A. HARDWARB				VAR							
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A A 31.913 11.	8. ACTIVATED METAL DECOY (AMD)	∢			_							
A V VA 13,224	A. Hardware			0.1								
A V VA												
A A VA VA	9. STINGER MODIFICATION	¥							and the state of t			
A VA VA	A. HARDWARB						31.913		4,787			
VA 13,224												
VA 13,224	10. LIMPET	٧										
13,224	A. HARDWARB							VAR	425		VAR	671
	LINB ITEM TOTAL					13,224			18,689			6,16
	72 ON MOTH TRI DUMON 67										Раде	l of 1 Pag
	r-i childrent and a salita ivi.							EX	HIBIT P-5	5, Weapon	System C	ost Analy

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BUDGE	BUDGET PROCUREMENT	HISTORY AN	AND PLANNING				Ÿ.	DATE:	March 1996	96
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2				C. P-1 ITI SOF O	C. P-1 ITEM NOMENCLATURE SOF ORDNANCE ACQUISITI	P-1 ITEM NOMENCLATURE SOF ORDNANCE ACQUISITION				
LINB ITEM FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FRST DEL	QUANTITY	UNIT	SPBCS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
1. SELECTABLE LIGHTWEIGHT ATTACK MUNITION										
A. Hardware										
FY 95	Alliant Tech Systems	C/FP	ARDEC	S6 ĐNY	MAR 96	006' <del>≯</del>	1.042	•		
	Hopkins, MN									
FY 96	Alliant Toch Systems	OPTION	ARDEC	30N %	MAR 97	5,800	1.001	YES	NO	
	Hopkins, MN									
3. TIME DELAY FIRING DEVICE (TDFD)	a a hispoor									
A. Hardware									A	
FY 96	A	OPTION	ARDEC	30N 96	FEB 97	260	1.154	YES	ON	
	Hunt Valley, MD									
5.40MM PGU9 A/B REFUZE										
A. Hardware										
FY 96	Alliant Tech Systems	OPTION	SMCA	% NOI	MAY 97	271,000	.024	YES	ON ON	
	Hopkins, MN									
FY 97	Alliant Tech Systems	OPTION	SMCA	JUN 97	MAY 98	271,500	.016	YES	NO	
	Hopkins, MN									
6. REMOTE ACTIVATED MUNITIONS SYSTEM										
FY 97	UNKNOWN	C/FP	ARDBC	JUN 97	NAI 98	100	11.560	YES	NO	
8. ACITVATED METAL DECOY (AMD)						<del>piplosi (sot</del> i				
FY 95	UNKNOWN	C/FP	NSWC-CRANE	OCT 95	JAN 96	6,020	.148			

P-1 SHOPPING LIST, ITEM NO. 57

Page 1 of 2 Pages EXHIBIT P-5A Procurement History and Planning

UNCLASSIFIED	ORY AND PLANNING A. DATE: March 1996	C. P-1 ITEM NOMENCLATURE SOF ORDNANCE ACQUISITION	RACT CONTRACTED AWARD FIRST UNIT AVAIL REVIS WHEN YPB BY DATE DEL QUANIITY COST NOW REQ'D AVAIL	Array-FAD MAR 96 150 31.913	
		I ITEM NOMEN			
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UNCLASSI	HISTORY AND PLA		CONTRACT METHOD & TYPB	OPTION Army-F	
	BUDGET PROCUREMENT HIS	NE CANAL COLOR DE PRESENTATION (CANADAS AND PRESENTATION COLOR COL	CC CONTRACTOR D AND LOCATION	Hughes	
	BUDGET P	APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	LINB ITEM  FISCAL YEAR	9. STINGER MISSILE MODIFICATIONS FY 96	D. REMARKS:

P-1 SHOPPING LIST, ITEM NO. 57



Page 2 of 2 Pages EXHIBIT P-5A Procurement History and Planning

		ONCEASSIFIED					
CODE "B"	CODE "B'ITEM DESCRIPTION		DATE MARCH 1996		REPORTS CODD-COMP, (	REPORTS CONTROL SYMBOL DD-COMP, (USSOCOM) 1092	10L 12
APPROPRIATION/ACTIVITY PROCUREMENT, DEFENSEWIDE/2				P-1 ITEM NOMENCLATURE: SOF ORDNANCE ACQUISITION	NCLATURE: 3 ACQUISITIO	Z.	
1. CURRENT DEVELOPMENT AND TEST STATUS:	FEST STATUS:	The second secon		-	SCHEDULE DATE	DATE	
				CURRENT	LAST RPT'D	REASON FOR DELAY	DELAY
Dev Test & Evaluation		Plan/Actual	al	10/96 - 04/97	N/A	N/A	
Initial Test & Evaluation		Plan/Actual	al	10/96 - 04/97	N/A	N/A	
Operational Test & Evaluation		Plan/Actual	al	10/96 - 04/97	N/A	N/A	
Availability Date of Technical Data Package	age .	Plan/Actual	al	76/50	N/A	N/A	
2. ESTIMATED DATE OF APPROVAL FOR SERVICE USE: JUN 97	L FOR SERVICE USE: JU	76 N					
3. EQUIPMENT ITEM(S) TO BE REPLACED: M122, Demolition	I	Firing Device.					
4. EXTENT OF IMPROVEMENT OVER ITEM(S)/EQUIPMENT TO Extended range; lighter; smaller; commercial battery; field programmable.		TO BE REPLACED:					
5. DEVELOPMENT CONTRACT INFO	CONTRACT INFORMATION: (Dollars in M	Millions):					
CONTRACTOR NAME (1)	PLANT LOCATION (2)	COMPONENT (3)		THRU FY 95 (5)	PY 96 (6)	FY 97 (7)	BEYOND FY 97 (8)
Army Research Lab	Adelphi, MD	XM152 (RAMS)		4.440	2.366	3.507	1.493
TOTAL RDT&E FUNDING				4.440	2.366	3.507	1.493
6. REMARKS:	<b>8</b>						•

Developmental testing and operational testing will be a combined effort. Procurement administrative lead time will be eliminated by having a government agency manufacture the initial procurement quantity to validate the technical data package for the transmitter, auxilliary power supply, and the type "A" receiver. Procurement funds will be obligated in June 1997.

P-1 SHOPPING LIST, ITEM NO. 57

UNCLASSIFIED

Page 1 of 1 Page EXHIBIT P-19 Code "B" Item Description

n Tadora	BUDGET ITEM JUSTIFICATION SH	N SHEET		DATE	MA	MARCH 1996	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	λ	P-1 ITEM SOF PLA	P-1 ITEM NOMENCLATURE SOF PLATFORM GUN AMMUNITION	3 MUNITION			
	FY95	FY96	FY97	FY98	FY99	PY00	FY01
QUANTITY							
COST (In Millions \$)	40.148						

\* This P-1 line is canceled after FY 1995 and its components are consolidated into SOF Ordnance Replenishment and SOF Ordnance Acquisition P-1 lines as noted below.

Ammunition is necessary to support Air Force and Navy Special Operations Forces (SOF) annual training requirements and replenish war reserve SOF-MISSION AND DESCRIPTION: This budget line contains all platform gun ammunition for the AC-130 Gunship, Navy Ship Gun, and Patrol Craft. unique stockage. It also refuzes 40mm Gunship ammunition to correct safety of flight hazards.

- 1. Training Ammunition. Provides 25mm, 40mm, and 105mm training rounds required to maintain AC-130 Gunship crew mission readiness skills. Quantities vary depending upon training requirements. (Realigned to SOF Ordnance Replenishment in FY 1996)
- maintain war reserve stockage at Defense Planning Guidance levels. This combat munition provides light vehicle kill and area coverage kill capability in 2. AC-130 Ammunition War Reserve. Procures, through the Conventional Ammunition Working Capital Fund (CAWCF), war reserve 25mm ammo to support of air base defense, close air support, and direct action missions. (Realigned to SOF Ordnance Acquisition in FY 1996)
- Replaces the MK 27 fuze to provide adequate safe separation from the gun barrel after firing. Approximately 200,000 rounds will be refuzed each year. 3. AC-130 Gunship PGU-9A/B Refuzing. Provides a new fuze to attach to the PGU-9A/B 40mm ammunition to eliminate safety of flight hazards. (Realigned to SOF Ordnance Acquisition in FY 1996).

P-1 SHOPPING LIST, ITEM NO. 58

Page 1 of 2 Pages EXHIBIT P-40 Budget Item Justification Sheet

BUDGET ITEM JUSTIFICATION SHEET	DATE	MARCH 1996
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	AUNITION	

- warfare groups, special warfare units, SEAL teams, special boat squadrons, and SEAL Delivery Vehicles. Funds are required to procure components, 4. Other Ship Gun Ammunition. Provides ammunition in support of the Naval Special Operations Forces which include special boat units, special load and assemble complete rounds, and to provide ammunition to resupply peacetime expenditures and war reserve requirements.
- 5. Patrol Craft Ammunition. Provides for ammunition and ammunition support elements for the 13 patrol craft equipped with MK-38 25mm guns. Funds are required to support SOF patrol craft requirements for training, and war reserve, and provide product engineering, product improvement, component renovation, and gauges.

P-1 SHOPPING LIST, ITEM NO. 58

Page 2 of 2 Pages EXHIBIT P-40 Budget Item Justification Sheet



BUDGET ITH	BUDGET ITEM JUSTIFICATION	N SHEET		DATE	MA	MARCH 1996	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM SOF ORE	P-1 ITEM NOMENCLATURE SOP ORDNANCE REPLENISHMENT	HMENT	-		
	FY95	96Љ	FY97	FY98	FY99	FY00	FY01
QUANTITY							
COST (In Millions \$)	11.341	43.612	24.379	33.524	43.681	56.692	59.573

Name Change: Line Item formerly called "SOF Individual Weapons Ammunition".

Planning Guidance required reserve quantities. This P-1 line reflects a realignment of non-acquisition items from SOF Individual Weapons Ammunition, reserve stock. The requested funding will allow SOF components to accomplish the required annual training and maintain the building of the Defense MISSION AND DESCRIPTION: This program provides ammunition for Special Operations Forces (SOF) components for required training and war SOF Platform Gun Ammunition and SOF Pyro/Demo.

1. Small Arms/Landing Party Ammunition. The various cost elements provide SOF small arms ammunition, (12 gauge up to and including .50 cal and grenades) to support Naval Special Operations Forces' peacetime expenditures, resupply, inter-theater shipping losses, and specified combat reserve requirements.

arms ammunition (12 gauge up to and including .50 caliber), grenades (offensive/defensive and smoke), ammunition items transitioning from various SOF FY 1997 PROGRAM JUSTIFICATION: These funds are required to procure complete rounds, and/or components requiring load and assembly, of small component programs and conduct acceptance testing. Ammunition is required to support peacetime expenditures, resupply, and a specified combat reserve quantity. Additional funding provides for all production engineering support and product improvement.

2. Other Ship Gun Munitions. Provides ammunition in support of Naval Special Operations Forces which include medium caliber gun ammunition (25mm and above), rockets, and conduct acceptance testing.

P-1 SHOPPING LIST, ITEM NO. 59

Page 1 of 3 Pages EXHIBIT P-40 Budget Item Justification Sheet

BUDGET ITEM JUSTIFICATION SHEET	La:	DATE
		MARCH 1996
APPROPRIATION / BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE	
PROCUREMENT, DEFENSEWIDE / 2	SOF ORDNANCE REPLENISHMENT	INE

2. Other Ship Gun Munitions. (Cont'd)

Operations Forces (SOF) platform munitions including 25mm, 40mm and 60mm gun ammunition, rockets and conduct acceptance testing. The FY 1997 PROGRAM JUSTIFICATION: Funds are to support the Naval SOF Component with load and assembly, complete rounds of Special ammunition supports peacetime expenditures consisting of re-supply, and specified combat reserve quantities. 3. MK V Special Operations Craft (SOC) Ammunition. Provides ammunition procurements in support of the weapons pre-planned product improvement (P3I) for the MK V SOC. The P3I weapons suite includes 25mm, 7.62mm, GAU-17, and twin .50 caliber machine guns. In addition, the MK V SOC will employ Stinger missiles in a manpack configuration utilizing Beltpack Identification Friend or Foe system and AN-PAS-18 Night Sight during night operations.

FY 1997 PROGRAM JUSTIFICATION: Funds support the Navy SOF component with load and assembly, complete rounds, and conduct acceptance testing. The ammunition supports peacetime expenditures, resupply, and specified combat reserve quantities. These .50 caliber ammunition procurements are in support of the MK V SOC P3I beginning in FY 1996.

elements: special warfare groups, special warfare units, SEAL teams, SEAL delivery vehicle teams, special boat squadrons, special boat units and the expenditures, resupply, and specified combat reserve requirements. The Navy Special Operations Forces are comprised of the following subordinate 4. Navy Pyro/Demo. This program provides pyrotechnic items and demolition material to support Naval Special Operations Forces' peacetime Naval special warfare patrol coastal ships.

FY 1997 PROGRAM JUSTIFICATION: Procures a variety of pyrotechnic items consisting of illumination, signalling, identification, and location

P-1 SHOPPING LIST, ITEM NO. 59

Page 2 of 3 Pages EXHIBIT P-40 Budget Item Justification Sheet





BUDGET ITEM JUSTIFICATION SHEET	ET .	DATE MARCH 1996
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NOMENCLATURE SOF ORDNANCE REPLENISHMENT	TX

4. Navy Pyro/Demo. (Cont'd)

provides for all production engineering support, product improvement, procurement of renovation components, gauges and SOF peculiar non-standard devices using glare or smoke as the primary signalling agent, as well as demolition material consisting of explosive devices, initiators and accessories. This procurement is required to support Navy SOF peacetime expenditures, resupply, and a specified combat reserve quantity. Additional funding pyrotechnic and demolition items transitioning from various SOF component programs.

5. Air Force Special Operations Command (AFSOC) Training Munitions. Provides 25mm, 40mm, and 105mm training rounds required to maintain AC-130 Gunship crew mission readiness skills. Quantities vary depending upon training requirements (Realigned from SOF Platform Gun Ammo). FY 1997 PROGRAM JUSTIFICATION: The assortment of ammunition requested is to maintain proficiency by the crews of the AC-130 Gunship. This highly versatile weapons system is dependent on its well trained crews. Without the training munitions to maintain training proficiency, the effectiveness of this weapons system will be severely degraded.

6. AFSOC 25mm War Reserve Munitions. Provides the new PGU-38 round required war reserve stock for the AC-130 Gunship.

Note: The P-20 Exhibits (Requirements Study) are classified and not included with the Budget Submission. These documents can be furnished upon

P-1 SHOPPING LIST, ITEM NO. 59

Page 3 of 3 Pages EXHIBIT P-40 Budget Item Justification Sheet

						the state of the s		the state of the s		O DATE.		
WEAPON SYSTEM COST ANALYSIS EXHIBIT (P.5) - AMMUNITION	A. Appropriation / Bunger Activity 1148 / No. Procurement, Defensewide / Proc. Just. / 2	Proc. Just	. 2 Z .	SOF ORDIVA	SOF ORDNANCE REPLENISHMENT	ISHMENT				C. SALLE MAI	MARCH 1996	
	Ident.				FY 1995			FY 1996			FY 1997	
Weapon System Cost Elements	Code			Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost
1. SMALL ARMS/LANDING PARTY AMMO												
HARDWARE												
A. Shotgun Cartridges (All Types)	A										200,000	\$
Subtotal												2
												The second secon
B. 5.56mm Cartridges (All Types)	A											
Ball M855					1,653,120	612					2,468,700	889
Ball and Tracer					566,400	289					2,312,500	1,110
Blank					419,520	22					1,163,000	244
Subtotal						993						2,243
C. 7.62mm Cartridges (All Types)	¥											
Dim Tracer					1,704,000	1,431						
Blank Linked					1,420,000	896					1,500,000	780
Ball					2,193,240	1,119						
Linked Ball and Tracer					2,723,200	1,471						
Sniper CTG											746,428	627
Linked Ball W/O Tracer								9,899,848				
Subtotal						4,617			593			1,407
D. 9mm Cartridges (All Types)	¥											
Bell					4,655,971	738		3,272,250	206			
Sim 5.56					\$00,000	<b>8</b> 8						
JHP Subsonic					1,710,000	446						
Subtotal						1,384			S98			
E38 Cal Cartridges (All Types)	A				1,518,500	304						
Subtotal						304						
				-								

Page 1 of 7 Pages EXHIBIT P-5, Weapon System Cost Analysis





P-1 SHOPPING LIST, ITEM NO. 59

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WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-S) - AMMUNITION	A. Appropriation / Budget Activity Procurement, Defensewide / Proc. J	Activity Title / Proc. Just. / 2	<u>.</u>	B. Line Item Nomenclature SOF ORDNANCE REPLENISHMENT	Nomenclature NCB REPLEN	ISHMENT				C. DATE:	i: March 1996	
	Ident				FY 1995			FY 1996			FY 1997	
Weapon System Cost Elements	Code			Unit Cost	QTIV	Total Cost	Unit Cost	QIIY	Total Cost	Unit Cost	QTY	Total Cost
1. SMAIL ARMS/LANDING PARTY AMMO (Cont'd)												
F45 Cal Cartridges (All Types)	V	_										
JHP					4,751,900	1,473						
Match					3,314,000	630		2,327,465	465			
Subtotal						2,103			465			
G50 Cal Cartridges (All Types)	∢											
Sniper CTO					168'15	202		66,128	574			
Dummy CTG					2,160	9						
Subtotal						808			574			
H. Grenados (All Types)	٧											
Chg Diversionary MK 141								15,600	546			
Fuze Training Dev Chg					8,000	33						
Hand Smoke White AN-M8					3,200	96						
Chg Diversionary MK 15, Training					20,000	650						
Subtotal						61.1			546			
PRODUCTION SUPPORT												
PRODUCTION ENGINEERING	NIA					436			455			303
PRODUCT IMPROVEMENT	NIA					101			80			
NON STANDARD ITEMS	N/A					116			200			
Subtotal						653			705			303
TOTAL SMALL ARMS/LANDING PARTY AMMO						11,341			3,389			4,017
	•											
2. OTHER SHIPGUN MUNITIONS												
HARDWARB												
A. 25mm Cartridges (All Types)	Y						-					

P-1 SHOPPING LIST, ITEM NO. 59

Page 2 of 7 Pages EXHIBIT P-5, Weapon System Cost Analysis

Weepen System Cust Bleaments         Code         FPY 1995         Total Code         Unit Code </th <th>WEAPON SISTEM COST ANALISIS  EXHIBIT (P.5) - AMMUNITION</th> <th>A. Appropriation / Budget Activity Litts / No. Procurement, Defensewide / Proc. Just. / 2</th> <th>Activity Inta Proc. Just.</th> <th>7 Z Z</th> <th>B. Line Item Nomenclature SOF ORDNANCE REPLE</th> <th>B. Les Iver Norschauts SOF ORDNANCE REPLENISHMENT</th> <th><b>HISHMENT</b></th> <th></th> <th></th> <th></th> <th>C. DAM:</th> <th>MARCH 1996</th> <th></th>	WEAPON SISTEM COST ANALISIS  EXHIBIT (P.5) - AMMUNITION	A. Appropriation / Budget Activity Litts / No. Procurement, Defensewide / Proc. Just. / 2	Activity Inta Proc. Just.	7 Z Z	B. Line Item Nomenclature SOF ORDNANCE REPLE	B. Les Iver Norschauts SOF ORDNANCE REPLENISHMENT	<b>HISHMENT</b>				C. DAM:	MARCH 1996	
Code		Ideat.		The second second second		FY 1995			FY 1996			FY 1997	
	Wespon System Cost Elements	Code			Unit Cost	TID	Total Cost	Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost
NS-T Linked  um Cartriges (All Types) cice M203  cartrige  d HE  al   let S52 (Carl Guand) FFV 552 (Carl Guand) FFV 552 (Carl Guand) FFV 553 (Carl Guand) FFV 553 (Carl Guand) FFV 554 (Carl Guand) FFV 555 (Carl Guand) FF	IR SHIPGUN MUNITIONS (Coat'd)												
um Cartridges (Ali Types)  sice M203  Cartridge  at HB  at   EFF 552 (Carl Gustaf)  FFF 141 (Carl Gustaf)  CTG Acceptance Testing  at FFV 551 (Carl Gustaf)  ONe FFV 469B (Carl Gustaf)  We FFV 558 (Carl Gustaf)  We See FFV 469B (Carl Gustaf)  We CTG Acceptance Testing  TFF 151 (Carl Gustaf)  ONe FFV 558 (Carl Gustaf)  We See FFV 558 (Carl Gustaf)  We CTG Acceptance Testing  TFF 151 (Carl Gustaf)  We CTG Acceptance Testing  TFF 152 (Carl Gustaf)  TFF 152 (Carl Gustaf)  TFF 152 (Carl Gustaf)  TFF 152 (Carl Gustaf)  TFF 152 (Carl Gustaf)  TFF 152 (Carl Gustaf)  TFF 152 (Carl Gustaf)  TFF 153 (Carl Gustaf)  TFF 152 (Carl Gustaf)  TFF 153 (Carl Gustaf)  TFF 153 (Carl Gustaf)  TFF 153 (Carl Gustaf)  TFF 153 (Carl Gustaf)  TFF 153 (Carl Gustaf)  TFF 153 (Carl Gustaf)  TFF 153 (Carl Gustaf)  TFF 153 (Carl Gustaf)  TFF 153 (Carl Gustaf)  TFF 153 (Carl Gustaf)  TFF 153 (Carl Gustaf)  TFF 153 (Carl Gustaf)  TFF 153 (Carl Gustaf)  TFF 154 (Carl Gustaf)  TFF 154 (Carl Gustaf)  TFF 154 (Carl Gust	DS-T Linked								27,118	720		55,240	1,413
Appea)  All  All  Courts for the first for t										720			1,413
Appeal and and and and and and and and and and													
at) at) at) at) Gustaf) Gustaf) Gustaf) Gustaf) Gustaf) Gustaf) Gustaf) Gustaf) Gustaf) Gustaf) Gustaf) Gustaf) Gustaf Gustaf	mm Cartridges (All Types)	Y											
af) esting esting dutaf) Gustaf) Gustaf) Gustaf) Gustaf) Gustaf Gustaf) Gustaf	ctice M203								45,000	261			
af) af) ceting ceting ceting duraf) Guraf)	Cartridge								35,189	1,512			
af) af) ceting ceting Gustaf) Gustaf) Gustaf) AENT MENT MIONS CRAFT	od HB											47,344	691
af) af) af b setting straf) Gustaf) Gustaf) Gustaf) Gustaf) Gustaf) Gustaf) Gustaf) Gustaf) Gustaf G	tal									1,773			691
af) seting seting Gustaf) Gustaf) Gustaf) Gustaf Gu													
ad) cetting setting setting Gurad) Gurad) Gurad) Gurad	xkets (All Types)	A											
esting setting Gustaf) Gustaf) Gustaf) Gustaf) MERLING MENT MENT MIONS CRAFT	FFV 552 (Carl Gunaf)								1,838	1,360		1,000	774
seting Surinf) Guntaf) Guntaf) MERRIT MENT ADUN MUNITIONS MIONS CRAFT	FFV 141 (Carl Gustaf)								2,006	435		800	111
Gustaf) Gustaf) Gustaf) MERRING MENT ADUN MUNITIONS ATIONS CRAFT	CTG Acceptance Testing									250			
Guraf) Guraf) Guraf) MERING MENT OUN MUNITIONS ARONS CRAFT	at FFV 551 (Carl Gustaf)								2,650	3,604		1,886	2,682
Guith) MERING MENT MOUNTIONS MOUN CRAFT	toke FFV 469B (Carl Gustaf)								200	286		1,200	716
MENT MENT MUNITIONS TIONS CRAFT	um FFV 545B (Carl Gustaf)								909	510		1,200	1,056
MENT MENT AUN MUNITIONS TIONS CRAFT	w Rockets								4,854	8,000			
MENT MENT OUN MUNITIONS TIONS CRAFT	otal									11,445			8,339
MENT MENT OUN MUNITIONS TIONS CRAFT													
NS	UCTION SUPPORT												
NS	RODUCTION ENGINEERING	N/A							·				587
Subtoral         Cotal other shipgun munitions         Cotal other shipgun mun	RODUCT IMPROVEMENT	N/A											క్ట
TOTAL OTHER SHIPGUN MUNITIONS  3. MK V SPECIAL OPERATIONS CRAFT (SOC) MUNITIONS HARDWARE	otal												887
TOTAL OTHER SHIPGUN MUNITIONS  3. MK V SPECIAL OPERATIONS CRAFT (SOC) MUNITIONS HARDWARB													
3. MK V SPECIAL OPERATIONS CRAFT (SOC) MUNITIONS HARDWARB	OTAL OTHER SHIPGUN MUNITIONS									13,938			8,330
3. MK V SPECIAL OPERATIONS CRAFT (SOC) MUNITIONS HARDWARE													
HARDWARE	V SPECIAL OPERATIONS CRAFT  9 MUNITIONS												
	WARB												
A. 7.62mm Curtridges	7.62mm Cartridges	٧											

P-1 SHOPPING LIST, ITEM NO. 59

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Page 3 of 7 Pages EXHIBIT P-5, Weapon System Cost Analysis

WEAPON SYSTEM COST ANALYSIS	A. Appropriation / Budget Activity	Activity 7	Title / No.	B. Line Item	B. Line Item Nomenclature					C. DATE:		
EXHIBIT (P.S) - AMMUNITION	Procurement, Defensewide / Proc. 1	/ Proc. J.	'ust. / 2	SOF ORDNA	SOF ORDNANCE REPLENISHMENT	<b>HSHMENT</b>				WA	MARCH 1996	
	Ideat				FY 1995			FY 1996			FY 1997	
Weapon System Cost Elements	Code			Unit Cost	QTY	Total Cost	Unit Cost	QIY	Total Cost	Unit Coet	QTY	Total Cost
3. MK V SPECIAL OPERATIONS CRAFT (SOC) MUNITIONS (Cont'd)												
Linked			_					4,212,297	5,132			
Subtorni									5,132			
B50 Cal Cartridges (All Types)	٧											
Linked											390,581	1,410
Subtotal												1,410
C. 25mm/30mm Cartridges (All Types)	V											
Dummy								2,000	32			
Training Practice (TP)								95,400	1,555	_		
Subtotal									1,587			
D. Stinger Support Equipment	∢											
Night Sights								90	370			
IFF Interrogators								ଛ	<u>&amp;</u>			
IFF Programmers								20	200			
Subtotal									1,470			
PRODUCTION SUPPORT	N/A											
PRODUCTION ENGINEERING									120			35
Subtotal									120			32
TOTAL MK V SOC MUNITIONS									8,309			1,445
4. NAVY PYRO/DEMO												
HARDWARB	Y											
A. Signals			-									
Illum Red Star								5,016				
lilum Ground M125								8,016	323			

P-1 SHOPPING LIST, ITEM NO. 59

Page 4 of 7 Pages EXHIBIT P-5, Weapon System Cost Analysis

EXHIBIT (P-5) - AMMUNITION		THE PARTY NAMED IN COLUMN	A D. Lette Alexin International	A COLLEGE VALUE VALUE VA							•
	Procurement, Defensewide / Proc. Juz. / 2	Proc. Juz. / 2	SOF ORDNA	SOF ORDNANCE REPLENISHMENT	<b>HISHMENT</b>				MAI	MARCH 1996	
	Ident.			FF 1995			FY 1996			FY 1997	
Weapon System Cost Elements	Code		Unit Cost	OTY	Total Cost	Unit Cost	ALL	Total Cost	Unit Cost	VTØ	Total Cost
4. NAVY PYRO/DEMO (Cont'd)											
Signal Kit IR MK 132							14,994	340			
Signal Kit Marine IR MK 132							14,994	750			
Subtotal								1,632			
								Control of the Contro			
B. Training Devices	A										
Sim Hand Grenade							80,000	184			
Flare Surface Trip							3,008	70			
Subtotal								254			
C. Explosive Charges	¥										
Exp Extru Pem							2,000	8			
40mm Flex Linear Chg							2,155	216			
80mm Flex Linear Chg							1,000	82			
Exp Chg Cont Small							1,666	200		969	209
Exp Chg Cont Med							1,000	800		89	320
Em Chg Cont Lg							1,000	1,200			
Chg Dml Byp Chg										710	374
Subtotal								2,912			\$003
D. Det Cord and Time Fize	A										
Heavy Load Det Cord 100 Grft							\$00,000	<del>4</del> 00			
Heavy Load Det Cord 200 Grft							\$00,000	650			
Subtotal								1,050			Consideration of the Constitution of the Const
E. Blast Cape and Initiators	¥										
Detonating Delay Element 3.8 Sec.	0						8,000	22			
Detonating Delay Element 6.4 Sec.							8,000	*			
Detonating Delay Element 9.6 Sec.							8,000	2			
Cap Blasting Elec Hero - Safe							\$0,000	457			

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Page 5 of 7 Pages EXHIBIT P-5, Weapon System Cost Analysis

WEAPON SYSTEM COST ANALYSIS	A. Appropriation / Budget Activity 7	Activity 7	Title / No.	B. Line Item Nomenclature	B. Line Item Nomenclature	HELLYBAT				C. DATE:	E. MARCH 1006	
EARIBIT (F-3) - AMMONITION	riccinement, Leichnewme 1	LINE: 30	, ,	TOP TOP	TO THE PARTY OF						2000	
	Ident.				FY 1995			FY 1996			FY 1997	
Weapon System Cost Elements	Code			Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost	Unit Coet	QIY	Total Cost
4. NAVY PYRO/DEMO (Cont'd)												
Det Nonel W/LD Initiator (50)											8,978	161
Det Nonel W/LD Initiator (500)			_								6,850	763
Simulators Noncle .50 Cal								1,800	741			
Subtotal									1,390			954
F. Havernack Kit	٧							1,200	240			
Subtotal									240			
G. Other Pyro/Demo Items	٧											
Power Actuated Diver		<u> </u>									4,000	740
Subtotal												740
PRODUCTION SUPPORT	N/A											
PRODUCTION ENGINEERING									1,472			749
PRODUCT IMPROVEMENT												250
NON STANDARD									250			
GAUGE REQUIREMENTS												\$
Subtotal									1,722			1,004
TOTAL NAVY PYRO DEMO									9,200			3,601
5. APSOC TRAINING MUNITIONS	٧											
A. 105mm CARTRIDGES								13,315			13,315	1,500
B. 25mm HEI CARTIDGES PGU 38A/U								68,231	1		156,494	4,732
C. 25mm CARTIDGES PGU 24								11,21	207			
D. FUZB M732								5,180	373		10,472	754
Subtotal									4,003			986'9
TOTAL AFSOC TRAINING MUNITIONS									4,003			6,986

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P-1 SHOPPING LIST, ITEM NO. 59

Page 6 of 7 Pages EXHIBIT P-5, Weapon System Cost Analysis

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Weapon system cost analysis Enhibit (P-5) - Ammunition	A. Appropriation / Budget Activity Titls / No. Procurement, Defensewide / Proc. Just. / 2	Activity T	its / No. 11. / 2	B. Line Ites SOF ORDN	B. Line Item Nomencleture SOF ORDNANCE REFLENISHMENT	NISHMENT				C. DATE:	B: MARCH 1996	Sanger floor
	Ideat				FY 1995			FY 1996			FY 1997	
Weapon System Cost Elements	Code			Unit Cost	QILA	Total Cost	Unit Cost	QTV	Total Cost	Unit Cost	QILA	Total Cost
6. AFSOC 25mm WRM	4											
A. 25mm Cartridges								93,588	4,773			
Subtotal									4,773			
TOTAL AFSOC 25MM WRM									4,773			
	A MANAGEMENT AND THE PROPERTY OF THE PROPERTY											
			_									
LINE ITEM TOTAL						11,341			43,612	<b>.</b>		24,379

Page 7 of 7 Pages EXHIBIT P-5, Weapon System Cost Analysis UNCLASSIFIED

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#### Page 1 of 1 Page EXHIBIT P-5A

### UNCLASSIFIED

BUDGET PROCUREMENT		HISTORY AND P	AND PLANNING				A.	DATE:	March 1996	6
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2				C. P-1 IT SOP 0	EM NOME	C. P-1 ITEM NOMENCLATURE SOF ORDNANCE REPLENISHMENT	HMENT			
LINB ITEM/ FISCAL YBAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DEL	QUANTITY	UNIT	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
The majority of items listed on the P-5 for this P-1 Line are purchased through the Single Managers for Conventional Ammunition (SMCA).  The information required on this form is not available at the unit level.			•							·
D. REMARKS:										

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BUDGET ITEM JUSTIFICATION SHEET	JSTIFICATION S	нвет		DATE	MARC	MARCH 1996	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM NG MARITIME	P-I ITEM NOMENCLATURE MARITIME EQUIPMENT MODIFICATIONS	IFICATIONS			
•	FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY							
COST (In Millions \$)		8.492	4.833	6.136	48.051	34.515	49.272

MISSION AND DESCRIPTION: Program provides for various Patrol Coastal (PC) and MK V Special Operations Craft (SOC) maritime modifications and consolidates them into a single line item, instead of having modifications funded with the end items.

handling, speed, and human factors. Funding supports Title K alterations for emergent ship alterations that require headquarters expertise 1. Patrol Coastal. Program provides for numerous modifications to the Cyclone Class PC ships. The modifications correct performance deficiencies identified through testing and/or operation. The upgrades improve situational awareness, self-defense capabilities, ship and/or headquarters centrally managed material.

FY 1997 PROGRAM JUSTIFICATION: Program procures material for 13 stern flap modifications and six installations; installation of hardware procured in prior years (active noise cancellation systems, bridge wing controls, and propellers); and continues command and control software modifications.

electronic surveillance) capabilities and are programmed in the Communications and Equipment Line Item. Night vision improvements will and night vision. Improved weapons/mounts will include GAU-17(7.62MM) mini-guns, MK38 (25MM) chain guns, and MK95 (twin .50 2. MK V SOC. Program provides pre-planned product improvements to baseline (craft) capabilities in the areas of weapons, electronics, cal) mounts. Electronics improvements will include providing electronic countermeasures and support measures (electronic attack and center on a forward looking infrared capability.

BUDGET ITEM JUSTIFICATION SHEET	HBBT	DATE		MARCH 1996		
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NOMENCLATURE MARITIME EQUIPMENT MODIFICATIONS	IFICATIONS				
2. MK V Special Operations Craft (SOC) (Cont'd.)						
FY 1997 PROGRAM JUSTIFICATION: Begins procu MK95 twin .50 cal mounts).	curement of improved weapons/mounts (GAU-17 mini-guns, MK38 chain guns, and	/mounts (G	AU-17 mini	-guns, MK38	chain guns,	and
MODIFICAT	ation summary for maritime equipment	EQUIPMENT	€w1			
DESCRIPTION	FY 95	FY 97	FY 98	FY 99	FY 00	FY 01
1. PC Command and Control Software Upgrades	.855	338	.248	.123	.122	
2. PC Stern Flap Modification		131	.052	.057		
3. PC Active Noise Cancellation	.869	.067	.057			
4. PC Bridge Wing Controls	006.	£83	.052			
5. PC Threat Warning System (* Moved to SOF Intelligence Line Item beginning in FY 1997 (PRIVATEER))	5.133	69	€			
6. PC Forward Looking Infrared Upgrade				666.6	2.770	.347
7. PC Propeller Upgrade	1.192	.212	.331			
8. MK V SOC Weapons		3.607	3.798	.085		a de la companya de l
c						
P-1 SHOPPING LIST, ITEM NO. 61				ovinder b 40 b. 4 - 4 F.		Page 2 of 3 Pages

Page 2 of 3 Pages EXHIBIT P-40 Budget Item Justification Sheet

BUDGET ITEM JUSTIFICATION SHEET	N SHBET		DATE		MARCH 1996		
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NO MARITIME E	P-1 ITEM NOMENCLATURE MARITIME EQUIPMENT MODIFICATIONS	IFICATIONS	•			
Modification Summary (Cont. d)							
	FY 95	<u>FY 96</u>	FY 97	FY 98	FY 99	FY 00	FY 01
9. Other Outyear Modifications							
A. MK V SOC Forward Looking Infrared				1.491	20.202		
B. PC Mission Dependent Modular Aft Deck					2.141	2.030	2.113
C. PC Surface-to-Surface Missile System					15.441	29.593	46.812
TOTAL		8,349	4.638	6.029	48.051	34.515	49.272
TO SAN FILEMAN WING A PARAMETER OF THE						7.6	The Care

WEAPON SYSTEM COST ANALYSIS  BICHIBIT (P.5) - Shipbuilding  BICHIBIT (P.5) - Shipbuilding  Bicht.  Weapon System Cost Elements  Codo  A. Alterations/Material/Install (PC E ALTS)  N/A	A. Appropriation/Budget Activity Title/No. Procurement, Defensowlde/Proc. Just./2 Bdent. Codo N/A	B. Line Item Nomenclature MARITIMB EQUIPMENT FY 1995 Unit Cost QTY 7	QUIPMENT 1 PY 1995	MODIFICATIONS Treat Cont.   Un		FY 1996		C. DATE:	MARCH 1996 FY 1997	
(FC K ALIS)		PY Unit Cost 6	1995 YTV   T	ينا زرمو		FY 1996		A. C. A.	FY 1997	
Rements (PC K ALTS)			-	And Creed				4.50 4.70		
(FC K ALTS)					Unit Cost	QLY	Total Cost	Upit Cost	QTY	Total Cost
							143			195
										dispression of the second of the
								dhe che a se a se a se a se a se a se a se a		on the second second second second second second second second second second second second second second second
										THE PROPERTY OF THE PROPERTY O
										Andrew Commence of the Commenc
			1							A comment of the control of the
			1							
							676			47.7
Modifications							8,349			850%
LINB ITEM TOTAL							8,492			4,833

P-1 SHOPPING LIST, ITEM NO. 61





DATE: MARCH 1996

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MODIFICATION TITLE: PATROL COASTAL COMMAND AND CONTROL (CZ) SOFTWARE UPGRADE

MODELS OF SYSTEMS AFFECTED: Patrol Coastal DESCRIPTION/JUSTIFICATION:

The C2 software urgandes provide incremental modifications to the C2 system for the integration of urganded subsystems to include PRIVATEER Threat Warning System, Joint Maritime Combat Information System (JMCIS, formerly known as Joint Operational Tactical System), and the RASCAR Collision Avoidance Radar Overlay.

STONES:
SENT MILE
VELOPA
MAJOR DE
STATUS/
LOPMENT
DBVI

CDR 8/95 1st trial install: 1/96 1st Production Install: 1/96.	1st Production Install: 1/96.																	
FINANCIAL PLAN: (\$ in millions)	**		FY95		FY96		FY97		FY98	_	FY99	FY00	FY01	<b>.</b>	T D			TOTAL
	B	••	₿	•	È	••	È	•	₽	•	s È	 <b>\$</b>	È	•	È	••	0	₽
RDT&B				0.1														
PROCUREMENT																		

(ACURDIMIEN)		
Self Diagnostic Test Sets	4 .1	0.1
Threat Warning Integration (V3)	1, 6 1, 7	0.2
JMCIS Integration (V3)	7 .2 6 .1	0.3
Installation of Hardware		

IIISTRITUTE OF LINIOWALD				
PYe				
FY95				
FY96 V-1/V2 Install	9' +9			9.0 9
FY97 V-3 Install				
PY98				
FY99				
PY00				
FY01				
To Complete				
Total Installation Cost	9'0 9	•		9.0
<ul> <li>Modification funded in SOF Intelligence Systems P-1.</li> </ul>	e Systems P-1.			
Total Procurement Cost	6'0	0.3		1.2
METHOD OF IMPLEMENTATION:	GOVT/CONTRACTORALTERATION INSTALLATION THAM. ADMINISTRATIVE LEADTIME: 1 MONTH	M ADMINISTRATIVE LEADTIME:	1 MONTH PRODUCTION LEADTIME: 2 MONTHS	2 MONTHS
CONTRACT DATE:	Current Year: 1/96 Buds	Budget Year 1: 1/97	Budget Year 2: NIA	
DELIVERY DATE:	Current Year: 2/96 Bud	Budget Year 1: 3/97	Budget Year 2: N/A	

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MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: PATROL COASTAL COMMAND AND CONTROL (C2) SOFTWARE UPGRADE INSTALLATION SCHEDULE: FY 1997

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FY 1997

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Page 2 of 3 Exhibit P-3A



P-1 SHOPPING LIST, ITEM NO. 61

FY 2000 FY 2001

UNCLASSIFIED

# MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: PATROL COASTAL COMMAND AND CONTROL (C2) SOFTWARE UPGRADE INSTALLATION SCHEDULE:

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P-1 SHOPPING LIST, ITEM NO. 61

Page 3 of 3 Exhibit P-3A

DATE: MARCH 1996

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: PATROL COASTAL STERN FLAP MODIFICATION

MODBLS OF SYSTEMS AFFECTED: Paired Constal

DESCRIPTION/JUSTIFICATION:

The NDI design Patrol Coastal abip had a minimal margin for growth in weight/displacement. Maintaining the required 35 knot speed is essential for accomplishing the coastal patrol and interdiction mission and self defense. Stern flap will improve the ship's ability to maintain the required speed at the current displacement. The intallation must be accomplished in dry dock, so installations coincide with acheduled dry dock availabilities. PC-13 was delivered with this modification installed. PC-14 stern flap will be installed during this construction.

# DEVELOPMENT STATUS/MAJOR DRVELOPMENT MILESTONES:

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UNCLASSIFIED

P-1 SHOPPING LIST, ITEM NO. 61

UNCLASSIFIED

### MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: PATROL COASTAL STERN FLAP MODIFICATION INSTALLATION SCHEDULE:

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Page 2 of 3 Exhibit P-3A

P-1 SHOPPING LIST, ITEM NO. 61

FY 2000 FY 2001

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UNCLASSIFIED
MODIFICATION OF WEAPON SYSTEMS

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MODIFICATION TITLE: PATROL COASTAL STERN FLAP MODIFICATION

INSTALLATION SCHEDULE:

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P-1 SHOPPING LIST, ITEM NO. 61



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DATE: MARCH 1996

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MODIFICATION TITLE: PATROL COASTAL ACTIVE NOISE CANCELLATION

MODELS OF SYSTEMS AFFECTED: Parrol Coastal

DESCRIPTION/JUSTIFICATION:

Excessive airborne noise in the berthing compartments is a sea trial deficiency for this ship class which requires correction. The installation of active noise cancellation (ANC) systems in the berthing areas complements the propeller upgarde to resolve the excessive noise problem and improve human factors. The first shipset was procured as a prototype and installed with RDT&B funds. PC-14 ANC will be installed during ship construction.

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1st trial install: 8/95; 1st Production Install: 2/97.

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MODIFICATION TITLE: PATROL COASTAL ACTIVE NOISE CANCELLATION INSTALLATION SCHEDULE:

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Page 2 of 3 Exhibit P-3A

MODIFICATION OF WEAPON SYSTEMS UNCLASSIFIED

MODIFICATION TITLE: PATROL COASTAL ACTIVE NOISE CANCELLATION

INSTALLATION SCHEDULE:

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Page 3 of 3 Exhibit P-3A

P-1 SHOPPING LIST, ITEM NO. 61

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DATE: MARCH 1996

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: PATROL COASTAL BRIDGE WING CONTROLS

MODELS OF SYSTEMS AFFECTED: Panol Counti

DESCRIPTION/JUSTIFICATION:

Bridge wing controls are required to improve ship handling/manuverability at the pier. Each ship will have controls installed on both bridge wings.

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P-1 SHOPPING LIST, ITEM NO. 61

Page 1 of 3 EXHIBIT P-3A

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### MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: PATROL COASTAL BRIDGE WING CONTROLS INSTALLATION SCHEDULE:

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P-1 SHOPPING LIST, ITEM NO. 61

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Page 2 of 3 Exhibit P-3A

UNCLASSIFIED
MODIFICATION OF WEAPON SYSTEMS

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MODIFICATION TITLE: PATROL COASTAL BRIDGE WING CONTROLS
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P-1 SHOPPING LIST, ITEM NO. 61

FY 2000 FY 2001



Page 3 of 3 Exhibit P-3A

DATE: MARCH 1996

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MODIFICATION TITLE: PATROL COASTAL PROPILLER UPGRADE

MODELS OF SYSTEMS AFFECTED: Patrol Coastal

DESCRIPTION/JUSTIFICATION:

Replacement of existing propellers is required to reduce airborne noise in berthing compartments (a sea trial deficiency) and to meet full power absorbtion requirements at a higher full load displacement. A total of 78 propellers will be procured; There will be 13 shipsets (4 propellers each) procured and installed. The remaining propellers (26) will be procured as spares.

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Installation of Hardware	PY8	FY95	FY96	FY97	FY98	FY99	FY00	FY01	To Complete	Total Installation Cost

Current Year: 4/96 Current Year: 1/98 METHOD OF IMPLEMENTATION: Total Procurement Cost

P-1 SHOPPING LIST, ITEM NO. 61

CONTRACT DATE: DELIVERY DATE:

Budget Year 2: ADMINISTRATIVE LEADTIME: 9 MONTHS Budget Year 1:

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Budget Year 2: Budget Year 1:

Page 1 of 3 EXHIBIT P-3A

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PRODUCTION LEADTIME: 9 MONTHS

### MODIFICATION OF WEAPON SYSTEMS UNCLASSIFIED

MODIFICATION TITLE: PATROL COASTAL PROPELLER UPGRADE

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P-1 SHOPPING LIST, ITEM NO. 61

FY 2000 FY 2001

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## MODIFICATION OF WEAPON SYSTEMS

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MODIFICATION TITLE: PATROL COASTAL PROPELLER UPGRADE

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P-1 SHOPPING LIST, ITEM NO. 61

Page 3 of 3 Exhibit P-3A

DATE: MARCH 1996

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: MK V SPECIAL OPERATIONS CRAFT (SOC) WEAPONS

MODELS OF SYSTEMS AFFECTED: MK V SOC

DESCRIPTION/JUSTIFICATION:

Upgrades the MK V weapons capabilities from the baseline craft. Back upgrade suite provides two GAU-17 (7.62MM mini-grans), one MK38 (25MM chain gran) weapons, and two MK95 (twin 12.7MM) mounts per craft. All items or GPB requiring minor integration efforts.

# DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Primary hardware and ancillary components will be procured primarity via purchase orders/military interdepartmental purchase requests upon availability of funding.

FINANCIA	FINANCIAL FLAN: (\$ in millions)	A		FV95		FY 96		LGA.	HW98	60	FY99	•	FYGO	IOAH	<b>I</b>	10		TOTAL	٠
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Tota	Total Installation Cost								<b>e</b>	<b>6</b> .1	2	<b>.</b>						8	€.
	Total Procurement Cost							3.6		& &		0.1							7.6
METHOD	METHOD OF IMPLEMENTATION:	ORGAN	ZATION	ORGANIZATIONAL LEVEL				ADMIN	ADMINISTRATIVE LEADTIME: NIA	'B LEAD	TIME: N			PRODU	CTION	PRODUCTION LEADTIME: 12 MONTHS	B: 12	MONTHS	,
CONTRACT DATE:	CT DATE:	Current Year:	(car:				Budge	Budged Year 1: 1/97	181				Budget Year 2: 1/98	86/1					
DELIVERY DATE:	Y DATE:	Current Year:	(car:				Budge	Budget Year 1: 1/98	198				Budget Year 2: 1/99	86/1					
P-1 SHOP	P-i shopping list, item no. 61																	Pre EXHIB	Page 1 of 3 EXHIBIT P-3A



### MODIFICATION OF WEAPON SYSTEMS UNCLASSIFIED

MODIFICATION TITLE: MK V SOC WEAPONS

INSTALLATION SCHEDULE:

•			L					L					L			
QUARTERS					FY	FY 1995				FY 1996	966				FY 1997	16
INPOT				-	2	9	4	<u> </u>	-	2	3	4			7	60
PY			I					1					<u> </u>			
FY 95								<u> </u>					<u> </u>			
FY 96			<u> </u>					<b>.</b>								l
FY 97								1						<del> </del>		l
FY 98			<u> </u>										<u> </u>			
FY 99													<u></u>			
FY 2000			<u> </u>													
FY 2001																
QUARTERS					FY	FY 1995				FY 1996	966		<u> </u>		FY 1997	16
OUTPUT				1	2	3	4		1	2	3	4	L	-  -	2	6
PY																
FY 95			L										<u></u>			
FY 96								L					<u>.                                    </u>			
FY 97			<u> </u>										<u> </u>			
FY 98								L					L			ļ
PY 99													L			
FY 2000		0														
FY 2001								A			•		<u> </u>	_		

P-1 SHOPPING LIST, ITEM NO. 61

Page 2 of 3 Exhibit P-3A

### MODIFICATION OF WEAPON SYSTEMS UNCLASSIFIED

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MODIFICATION TITLE: MK V SOC WEAPONS INSTALLATION SCHEDULE:

1002	6										FY 2001	æ
FY 2001	2										FY	2
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FY 1998	2										FY 1998	2
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QUARTERS		M	FY 95	PY 96	FY 97	FY 98	PY 99	FY 2000	FY 2001		QUARTERS	Iolio

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FY 2000	2				
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Page 3 of 3 Exhibit P-3A



P-1 SHOPPING LIST, ITEM NO. 61

FY 2000 FY 2001

FY 99 FY 98

BUDGET ITE	BUDGET ITEM JUSTIFICATION SHEET	ON SHEET		DATE	MAF	MARCH 1996	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM SPARES	P-1 ITEM NOMENCLATURE SPARES AND REPAIR PARTS	B TS			
		٠	•				
	FY95	FY96	79YF	FY98	FY99	FY00	PY01
QUANTITY					·		
COST (In Millions \$)		32.867	36.134	35.091	25.392	8.747	8.235

MISSION AND DESCRIPTION: Consolidates all spares and repair parts funding into a single line item, rather than having the funding spread across several line items.

new aircraft and increases in the inventory of additional end items. Aircraft modification spares include new spare parts required during the 1. Aircraft Initial Spares. This program finances both initial weapon system and aircraft modification spares. Initial weapon system spares include new production spares, peculiar support equipment spares, and upgrades to existing spares required to support initial operations of initial operation of modified airborne systems.

FY 1997 PROGRAM JUSTIFICATION: Reimburses the stock fund for deliveries of initial spares.

2. MK 8 Mod 1 Seal Delivery Vehicle (SDV). Funds the procurement and installation of initial spare parts for engineering improvements to the MK 8 Mod 1 SDV Service Life Extension Program.

SDVs. This will include Global Positioning System, Obstacle Avoidance Sonar, Secure Communications, Mission Data Recorders, Direct FY 1997 PROGRAM JUSTIFICATION: Funds will be used to procure initial spare parts to support engineering improvements to four Current Propulsion Motor, and Pilot/Navigator Displays.

3. MK V Special Operations Craft (SOC). Funds the procurement and delivery of spares, repair parts and initial consumables that

P-1 SHOPPING LIST, ITEM NO. 62

BUDGET ITEM JUSTIFICATION SHEET	EET	DATE MARCH 1996
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NOMENCLATURE SPARES AND REPAIR PARTS	
3. MK V Special Operations Craft (SOC). (Cont'd)		
constitute operational deployment packages and major (shore based) spares "kits".	shore based) spares "kits".	
FY 1997 PROGRAM JUSTIFICATION: Funds three deployment packages and four major (shore based) spares "kits".	deployment packages and four	r major (shore based) spares "kits".
G.		
P-1 SHOPPING LIST, ITEM NO. 62		Page 2 of 2 Pages EXHIBIT P-40 Budget Item Justification Sheet

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5) - Aviation and Shipbuilding	A. Appr Procure	A. Appropriation/Budget Activity Title/N Procurement, Defensewide/Proc. Just./2	Activity Title Proc. Just.	Title/No.	B. Line Item Nomenclature SPARES AND REPAIR PARTS	fornenclatur REPAIR	re PARTS				C. DATE:	TE: MARCH 1996	
	Ideat					FY 1995			FY 1996			FY 1997	
Weapon System Cost Elements	Code				Unit Cost	QLX	Total Cost	Unit Cost	QLX	Total Cost	Unit Cost	QIIX	Total Cost
1. Aircraft Initial Sparce									VAR	25,074		VAR	20,296
Subtotal										25,074			20,296
2. MK 8 Mod 1 SDV													
A. Initial Sparce	V/N								VAR	935		VAR	1,725
Subtotal										935			1,725
3. MK V Special Operations Craft													
A. Major (Shore Based) Spares (Kit)	٧							3,230.000	1	3,230	2,330.250	7	9,321
B. Deployment Packago	V/V							1,814.000	2	3,628	1,597.333	9	4,792
Subtotal										6,858			14,113
LINB ITEM TOTAL										32,867			36,134

P-1 SHOPPING LIST, ITEM NO. 62

Page 1 of 1 Page EXHIBIT P-5, Weapon System Cost Analysis

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BUDGET PROCUREMENT		HISTORY AND P	AND PLANNING				A. DATE		MARCH 1996	
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2				C. P-1 IT SPARE	EM NOME	P-1 ITEM NOMENCLATURE SPARES AND REPAIR PARTS	S	and participated from the country of		
LINB ITEM FISCAL YBAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED	AWARD	DATE OF FIRST DEL	QUANTITY	UNIT	SPBCS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
1. MK V Special Operations Craft								The state of the s		
A. Major (Shore Based) Spares (Kit)								-		
FY 96	VARIOUS	C/FF	USSOCOM	OCT 95	30N %	***	3,230.000	YES	NO	
FP 97	VARIOUS	CAFF	USSOCOM	OCT %	TUN 97	8	2,330.250	YES	ON ON	
B. Deployment Package										
FF 96	VARIOUS	C/FF	USSOCOM	oct 98	30 NOE	2	1,814.000	YES	NO	
FY 97	VARIOUS	C/FF	USSOCOM	OCT %	JUN 97	en	1,597.333	YES	NO	
D. REMARKS:										

P-1 SHOPPING LIST, ITEM NO. 62

Page 1 of 1 Page EXHIBIT P-5A Procurement History and Planning



BUDGET IT	BUDGET ITEM JUSTIFICATION SI	ON SHEET		DATE	MAR	MARCH 1996	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM COMMUI	P-1 ITEM NOMENCLATURE COMMUNICATIONS EQUIPMENT & ELECTRONICS	MENT & BLECTH	RONICS		
	FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY							
COST (In Millions \$)	19.610	33.349	26.617	30.116	49.606	46.100	38.705

SOF mission mandates that SOF systems remain technologically superior to any threat to provide a maximum degree of survivability. SOF units require communications equipment that will improve their war fighting capability without degrading their mobility. Therefore, SOF MISSION AND DESCRIPTION: This program provides for communication systems to support Special Operations Forces (SOF). The Communications Equipment & Electronics is a continuing effort to procure lightweight and efficient SOF Command, Control, Communications, and Computer (C4) capabilities.

The C4I systems that support this new architecture will employ the latest standards and technology by transitioning from separate systems to USSOCOM has developed an overall strategy to ensure that Command, Control, Communications, Computer and Intelligence (C4I) systems continue to provide SOP with the required capabilities into the 21st century. USSOCOM's C4I systems comprise an integrated network of full integration with the infosphere. The infosphere is a multitude of existing and projected national assets that will allow SOF elements to operate with any force combination in multiple environments. The C4I programs funded in this procurement line are grouped by the level systems providing positive command and control and the timely exchange of intelligence and threat warning to all organizational echelons. of organizational element they support: Operational Element (Team), Above Operational Element (Deployed) and Above Operational Element (Garrison).

BUDGET ITEM JUSTIFICATION SHEET	BET DATE	
		MARCH 1996
PROCUREMENT, DEFENSEWIDE / 2 COMMUNICATIONS EQUIPMENT & ELECTRONICS	P-1 ITEM NOMENCLATURE COMMUNICATIONS EQUIPMENT & ELECTRONICS	T & BLECTRONICS

### OPERATIONAL ELEMENT (TEAM)

- These radios will contain Line-of-Sight (LOS), Near Vertical Incident Skywave (NVIS) and Beyond Line-of-Sight (BLOS) voice, data and 1. HP Manpack Radios. The HF manpack radios will provide SOF with smaller lighter weight systems for long range communications. Low Probability of Intercept/Low Probability of Detection (LPI/LPD) communications capabilities, embedded COMSEC and Automatic Link Establishment (ALE).
- and 100 watts for vehicular) radio which replaces the aging PRC-104. It has an internal modern which provides automatic link establishment a. Improved Special Operations Forces HF Manpack Radio System (ISHMRS). ISHMRS is a variable power (up to 20 watts for manpack (ALB) and embedded Communications Security (COMSEC) data capability. An adaptive capability allows optimal frequency management. Reduces rucksack load (weight and size) for the operator. Analysis is underway to determine if a single material solution will satisfy the ISHMRS and Special Mission Radio System (SMRS) requirements. Decision expected in 4Q PY1996.
- interlocking base stations. Analysis is underway to determine if a single material solution will satisfy the ISHMRS and SMRS requirements. b. Special Mission Radio System (SMRS). SMRS is a radio system that provides SOF a lightweight, LPI/LPD high frequency radio. Deployed in hostile and clandestine environments, the system consists of manpack radios, transit base stations and fixed worldwide Decision expected in 4Q FY 1996.

FY 1997 PROGRAM JUSTIFICATION: Procures 86 HF Manpack Radio Systems and three transit base stations.

2. Special Mission Radio System (SMRS) Upgrade. This program provides upgrades to fielded SMRS radios/base stations through P3I technology insertion. These upgrades include co-resident MIL-STD, non-standard automatic link establishment, and internal COMSEC

P-1 SHOPPING LIST, ITEM NO. 63

Page 2 of 7 Pages EXHIBIT P-40 Budget Item Justification Sheet





BUDGET ITEM JUSTIFICATION SHEET	3BT	DATB MARCH 1996
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NOMENCLATURE COMMUNICATIONS EQUIPMENT & ELECTRONICS	IT & BLECTRONICS

2. Special Mission Radio System (SMRS) Upgrade. (Cont'd)

FY 1997 PROGRAM JUSTIFICATION: Upgrades 261 SMRS radios/base stations through P3I technology insertion.

- V125 radios. This funding upgrades PBR craft that primarily operate in South America. Current radios are limited in reliability and range. 3. Patrol Boat Riverine (PBR) C3 Upgrades. This upgrade replaces the URC-94 VHF/HF radio with NDI VRC-94 (B) V3 and RF 5000
- 4. NSW Tactical Radio Systems (TRS). Provides NSW maritime tactical communications system which provides radio control/interior communications and a drop-in communications package (DICP) capable of housing any combination of up to five HF, VHF, UHF, and SATCOM radios and associated crypto. Additionally, it includes a communications-capable helmet.

FY 1997 PROGRAM JUSTIFICATION: Procures and installs 14 additional TRSs.

VHF-AM, UHF-AM, and UHF-FM satellite communications in a single radio, reducing the number of team radios carried by each team. band transceiver capability replacing the AN/PRC-77, AN/PRC-85, AN/PRC-113, HST-4, and LST-5B/C. MBMMR provides VHF-FM, 5. Multiband/Multimission Radio (MBMMR). A joint SOF requirement, MBMMR provides a lightweight, secure, manpackable, multi-Current deployments require teams to carry a minimum of five radios capable of operating in seven frequency bands.

FY 1997 PROGRAM JUSTIFICATION: Procures 174 MBMMRs for AFSOC Special Tactics, NSW teams, and USASOC.

equipment designed to fulfill all aspects of the Operational Elements information management requirements. The system will be capable of 6. Digital Team Information Device (DTID). DTID will be a mixture of ruggedized and commercial standard computer and video

BUDGET ITEM JUSTIFICATION SHEET	TH	DATE
		MARCH 1996
	any and the forest figures of the figure and the feature of the figure o	
APPROPRIATION / BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE	
	COMMUNICATIONS EQUIPMENT & BLECTRONICS	IT & ELECTRONICS

6. Digital Team Information Device (DTID). (Cont'd.)

database files in digital form. It will interface with the team radio systems as well as commercial and tactical telephone networks to securely preparing, editing, storing, retrieving, transmitting, and receiving fixed or free formatted message traffic, word processor, graphics, and pass traffic seamlessly throughout the communications architecture.

FY 1997 PROGRAM JUSTIFICATION: Procures 293 DTIDS.

members, both external and internal to the aircraft, without the need for a physical hardwire connection between the crew member and the 7. Aircraft Wireless Intercom System (AWIS). AWIS allows reliable communications between Special Operations (SO) aircraft crew aircraft. AWIS is self-contained, portable, lightweight, and is easily interchangeable between the various SO aircraft.

# ABOVE OPERATIONAL ELEMENT (DEPLOYED)

wideband transmission system to support the data requirements of other programs such as the SOF Intelligence Vehicle, Man-Transportable provide significantly increased information transfer capability to deployed Special Operations Forces (SOF). It will field an integrated and balanced suite of communications systems designed to support the high capacity, digital, secure, interoperable transmission and switching requirements of emerging SOF command, control, communications, computer, and intelligence programs. SOFTACS will provide the 8. SOF Tactical Assured Connectivity Systems (SOFTACS). This line was formerly TACTICAL C41. The SOFTACS program will

P-1 SHOPPING LIST, ITEM NO. 63

Page 4 of 7 Pages EXHIBIT P-40 Budget Item Justification Sheet



BUDGET ITEM JUSTIFICATION SHEET	T DATE	WABCH 1005
		MARCH 1990
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NOMENCLATURE COMMUNICATIONS EQUIPMENT & ELECTRONICS	

8. SOF Tactical Assured Connectivity Systems (SOFTACS). (Cont'd)

FY 1997 PROGRAM JUSTIFICATION: Procures voice switches and tri-band SHF SATCOM terminals required for the high volume of information for deployed SOF C3I nodes.

- 9. Joint Base Station (JBS). JBS consolidates three former programs: Naval Special Warfare (NSW) Task Unit Van (TUV), Special Forces (LOS) and beyond LOS radios, and associated message handling and switching equipment, providing command and control voice, imagery, long-range communications among SOF component commands while allowing for differences in missions. JBS will contain line-of-sight Base Station, and Special Operations Communications Package into one joint program. JBS will provide SOF with continuous, reliable, data, and facsimile. JBS can be transported aboard C-130 aircraft.
- contained, diesel powered, air-transportable communications shelter which enables NSW task units to rapidly relay and receive tactical and (a) Joint Base Station Core System (JBS). Formerly NSW TUV. This system consists of a small, lightweight, on/off road, selfintelligence information from infiltrated elements to higher authority. Communication-electronics will be modularized, allowing for rapid installation and/or removal of individual equipment or the entire suite in support in support of mission specific scenarios.
- (b) Joint Base Station Variant 1 (JBS V1). Formerly Special Forces Base Station. A small, transportable, high data rate, base station that is C-130 drive on/off capable. This is the initial procurement of production hardware for this system.

FY 1997 PROGRAM JUSTIFICATION: Procures three production JBS V1s in support of Army SOF.

communications suites for AFSOC operations. JBS V2 will be small enough (48"X50"X48") to be transportable in the back of a vehicle (c) Joint Base Station Variant 2 (JBS V2). Formerly Special Operations Communications Package. Provides palletizable

P-1 SHOPPING LIST, ITEM NO. 63

Page 5 of 7 Pages EXHIBIT P-40 Budget Item Justification Sheet

DATE	
	MARCH 1996
P-1 ITEM NOMENCLATURE COMMUNICATIONS EQUIPMENT & ELECTRONICS	SO

9. Joint Base Station (JBS). (Cont'd)

or loaded onto a 463L aircraft pallet. This package replaces the Special Communications Integrated Package which has become logistically unsupportable. JBS V2 will provide a lightweight, highly transportable communications suite fielded by the Special Operations Communications Flights.

PY 1997 PROGRAM JUSTIFICATION: Procures two production JBS V2s in support of Air Force SOF.

10. Theater Special Operation Commands (SOC). Theater SOC Contingency Communication Support provides for an organic, initial, rapid response and sustained contingency communication support package. This capability is required to support the deployed SOC element prior communications systems that can be supported with their present manpower capability. These systems will also allow the SOC to comply to the establishment of and transition to a Joint Special Operations Task Force (JSOTF). The goal is to provide the SOC with with the SOF architecture by buying systems that will interface with the other assets of the infosphere.

# ABOVE OPERATIONAL ELEMENT (GARRISON)

system supported by a communication network to improve and facilitate the command and control, readiness and management of its mission responsibilities. ASOCNET will provide Command and Control (C2) through the interchange of information among commanders and staff interchange of both classified and unclassified information designed to enhance operations readiness, system reliability, maintainability and personnel. ASOCNET is a series of local area networks under the direction of a Command Automation Center (CAC), capable of B-Mail processing and entry to the Defense Data Network with the ability to access other government systems. The CAC is located at Pt. Bragg 11. Army Special Operations Command Network (ASOCNET). U.S. Army Special Operations Command requires an automated C2 with connectivity to other SOP CONUS locations. This system will significantly improve operations capability through the necessary

P-1 SHOPPING LIST, ITEM NO. 63

Page 6 of 7 Pages EXHIBIT P-40 Budget Item Justification Sheet





BUDGET ITEM JUSTIFICATION SHEET	BT DATE	
		MARCH 1996
APPROPRIATION / BUDGET ACTIVITY BEOCHBENGENT DESCRIPTION / 2	P-1 ITEM NOMENCLATURE	SINC
INCOMEMBAL, DEFENSE WIDE / 2	COMMONICATIONS EQUITMENT & ELECTRA	

11. Army Special Operations Command Network (ASOCNET). (Cont'd)

security.

FY 1997 PROGRAM JUSTIFICATION: Procures necessary hardware and software to populate the LAN/WAN Metropolitan system.

- standards and has been selected as a corporate information management migration system. The capabilities include office automation, secure AFSOC LAN. The program consists of 39 nodes and is expanding. The USSOCOM LAN/WAN provides the multi-level secure C4 AIS infrastructure for world-wide information flow between the headquarters, components, and SOCs. The AIS is in compliance with DOD 12. SOP C4 Automated Information System (AIS). This program consolidates and provides upgrades for HQ USSOCOM, NSW, and dial-in, e-mail, wordprocessing, database, graphics, desktop publishing, project management, and automated message handling.
- control, communications, and intelligence (C31) information among HQ USSOCOM, its components and their major subordinate units, and selected government agencies and activities directly associated with the SOF community. Garrison C3I extends SCAMPI into the garrison 13. SCAMPI. This program provides a robust, seamless, automated communications network that enables dissemination of command, locations of OCONUS forward deployed theater SOP elements, and the field/remote locations of deployed SOP via SCAMPI tactical gateways. The program consists of 39 nodes and is expanding.

		The second secon							Communication of the Communica			
WEAPON SYSTEM COST ANALYSIS EXHIBIT (P.S) - Other Procurement	A. Appropriation/Budget Activity Title/N Procurement, Defensewide/Proc. Jun./2	Budget Act encovide/Pro	Activity Title/No.	B. Line Item Nomenclature COMMUNICATIONS EQU	Nomenclate	UIPMENT	& ELECTRONICS	S.		C. DATE: MARC	TE: MARCH 1996	
	Ident.				FY 1995			FY 1996			FY 1997	
Weapon System Cost Elements	- P			Unit Cost	ΔIJ	Total Cost	Unit Cost	QIL	Total Cost	Unit Cost	ALL)	Total Cost
1. HF MANPACK RADIOS	A											
A. Production Support (ISHMRS)				A STATE OF THE STA		80						
B. Manpack Redio Hardware (SMRS)				25.016	123	3,077	25.146	137	3,445	26.430	98	2,273
C. Transit Base Station Hardware (SMRS)				120.000	9	027	124.000	10	1,240	129.667	80	389
Subtotal						3,847			4,685			2,662
2. SMRS Upgrade	A											
A. Hardware							8.523	262	2,233	5.805	261	1,515
Subtotal									2,233			1,515
3. PBR C3 UPGRADE	«											
A. Hardware				65.000	2	130						
b. Production Support						36						
Subtotal						156						
4. NSW Tactical Radio System	A				,							
A. Hardware				45.357	14	635	49.960	25	1,249	52.357	14	733
Subtotal						635			1,249			733
S. MBMMR	¥ ·											
A. Hardware				-				VAR	208	25.598	174	4,454
Subtom									208			4,454
6. Digital Team Information Device (DTID)	٧						1					
A. Hardware										1.447	293	424
Subtotal												424
7. Aircraft Wireless Intercom System (AWIS)	¥											
A. Hardware							25.565	138	3,528			
Subtotal									3,528			

P-1 SHOPPING LIST, ITEM NO. 63

Page 1 of 2 Pages EXHIBIT P-5, Weapon System Cost Analysis



WEAPON STSIEM COST ANALYSIS EXHIBIT (P-5) - Other Procurement	A. Appropriation/Budget Activity Title/N Procurement, Defensewide/Proc. Just./2	on/Budget Defensewid	Activity Title/No.	itle/No. et./2	B. Line Item COMMUNIC	Nomenclatt	B. Line Item Nomenclature COMMUNICATIONS EQUIPMENT &	& HIECTRONICS	Š		C. DATE:	TE: MARCH 1996	
	Ident.					FY 1995			FY 1996			FY 1997	
8. SOFTACS	V												
A. Hardware						VAR	3,481		VAR	11,589		VAR	7,431
Subtotal							3,481			11,589			7,431
9. JOINT BASE STATION	٧												
B. Variant 1 Hardware								2,641.000	2	5,282	2,506.333	3	7,519
C. Variant 2 Hardware								590.500	2	1,181	583.000	2	1,166
Subtotal										6,463			8,685
10. THEATER SOCS	A/A												
A. Hardware		_				VAR	2,031		VAR	343			
Subtotal							2,031			343			
11. ARMY SOC NETWORK (ASOCNET)	٧												
A. Hardware						VAR	3,285		VAR	1,630		VAR	713
Subtotal							3,285			1,630			713
12. SOF C4 AIS	N/A												
A. Hardware						VAR	1,287		VAR	558			
Subtotal							1,287			558			
	·												
14. SCAMPI	N/A												
A. Hardware						VAR	4,888		VAR	863			
Subtotal							4,888			863			
LINB ITEM TOTAL							19,610			33,349			26,617

UNCLASSIFIED

P-1 SHOPPING LIST, ITEM NO. 63

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Page 2 of 2 Pages EXHIBIT P-5, Weapon System Cost Analysis

BUDGET PRO	BUDGET PROCUREMENT HIS	HISTORY AND I	and Planning				Α.	DATE:	March 1996	6
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2				C. P-1 ITI COMM	P-1 ITEM NOMENCI COMMUNICATIONS	P-1 ITEM NOMENCLATURE COMMUNICATIONS EQUIPMENT	4	ELECTRONICS	VICS	
Line item/ Fiscal year	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATB	DATE OF FIRST DEL	QUANTITY	UNIT	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
1. HP MANPACE RADIOS										
B. MANPACK RADIO HARDWARB (SMRS)					-					
FY 95	CLASSIFIED	SS/FP	NSMA	MAR 96	70L %	123	25.016			
FY 96	CLASSIFIED	OPTION	NSMA	AUG 96	DEC 96	137	25.146	YES	NO	
FY 97	CLASSIFIED	OPTION	NSMA	DEC 96	MAY 97	98	26.430	YES	ON	
C. TRANSIT BASE STATION HARDWARE (SMRS)										
FY 95	CLASSIFIED	SS/FP	NSMA	MAR 96	JUL 96	*	120.000			
FY 96	CLASSIFIED	OPTION	NSMA	AUG 96	DEC 96	10	124.000	YES	NO	
FY 97	CLASSIFIED	OPTION	NSMA	DEC 96	MAY 97	en	129.667	YES	NO	
2. SMRS Upgrade										
A. HARDWARB										
FY 96	Classified	SS/FP	NSMA	AUG 9%	MAR 97	262	8.523	ON	o no no no no no no no no no no no no no	
FY 97	Classified	NOTTAO	NSMA	MAR 97	AUG 97	261	5.805	NO Ox	gainess ou Poli	
3. PBR C3 UPGRADE			(Saipassa)							
A. HARDWARE										
FY 95	Напіз Сопр	C/OPTION	SPAWAR	JAN 98	JUL 95	8	65.000	and the second s		
	Rochester, NY		4							
4. NSW TACTICAL RADIO SYSTEM	Φ		den d							
A. HARDWARE										
FY 95	VARIOUS	2	NAWC-AD	MAY 96	NOV 96	7	45.357	YES	NO	
FY 96	VARIOUS	2	NAWC-AD	MAY 96	NOV 96	25	49,960	YES	NO	

P-1 SHOPPING LIST, ITEM NO. 63

Page 1 of 2 Pages EXHIBIT P-5A Procurement History and Planning



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BUDGET PRO	BUDGET PROCUREMENT HIS	HISTORY AND I	AND PLANNING				A.	DATE:	March 1996	9
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2				C. P-1 IT COMN	P-1 ITEM NOMENCI COMMUNICATIONS	P-1 ITEM NOMENCLATURE COMMUNICATIONS EQUIPMENT		& ELECTRONICS	VICS	
LINE ITEM FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF HRST DRL	QUANTITY	UNIT	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YBS, WHEN AVAIL
4. NSW TACTICAL RADIO SYSTEM (Cont'd)										
FY 97	VARIOUS .	2	NAWC-AD	IAN 97	JUL 97	41	52.357	YES	ON	
A. HARDWARB										
FY 97	UNKNOWN	C/FP	USSOCOM	IAN 97	TOL 97	174	25.598	NO NO		
6. DTID										E Bern ya nyi iyoʻrdi
A. HARDWARB										
FY 97	UNKNOWN	C/FP	UNKNOWN	JON 97	MAR 98	293	1.447	NO	edikye likece ib	
7. AIRCRAFT WIRELESS INTERCOM SYSTEM (AWIS)	Connective									
A. HARDWARB										
FY 96	UNKNOWN	C/FP	USSOCOM	JUN 96	W ĐNY	138	25.565	YES	ON	
B. JBS										
B. VARIANT 1 HARDWARE										
FY %	UNKNOWN	C/CPFF	NAWC-AD	MAR 96	JUL 97	2	2,641.000			
PY 97	UNKNOWN	OPTION	NAWC-AD	JAN 97	JAN 98	60	2,506.333	YES	NO	سويسوبا الأرفا
C. VARIANT 2 HARDWARB										
FY 96	UNKNOWN	C/CPFF	NAWC-AD	MAR 96	OCT %	2	890.500			
FY 97	UNKNOWN	OPTION	NAWC-AD	JAN 97	JUN 97	2	583.000	YES	NO	
D. REMARKS:										

P-1 SHOPPING LIST, ITEM NO. 63

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PROCUREMENT YEAR	m@>	PHOC GT₹	25 P	ABOF 1007	-				-			ဝပ⊢	20>	OWO PAS	L W Ø	≅∢ <b>ε</b> ∢σε	24>	202 rcd	∢⊃0	oome OΩ∺	ZO>	242 242	a me	<b>Sec.</b> (1)	Z4>	שכני	753	K DO	ဝပ⊢	20>	DWO DWO	ட யற	Z A E	≅∢≻		∢⊃Ø	so m o	⊢ wa
1. HF MANPACK RADIOS																									_					-	<u> </u>							
b. MANPACK RADIO (BNRS)	 6			***								****		(ingoliana)																	-		and the second					
FY88	->	8	78	84							Construction of	**********						-		VII. NO THE REAL PROPERTY.				⋖		en menter	-8	8	-8	ន	Olive to Comments		· · · · · · · · · · · · · · · · · · ·				, <del>(10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -</del>	
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EY87	7	8	78	ZW.	a		and the second																								⋖		*********	8	8			
e. TRANSIT BASE STATION (SWEIS)	(98/4F)							Mr. s. co.												ordered a designative					· · · · · · · · · · · · · · · · · · ·								yan ing kana		*********		·····	
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2. BWRB UPGRADE						******	····	*(0)*(1) ***						anemonia.																	***************************************							
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7. AIRCRAFT WIRELESS INTERCOM BYSTEM (AWIS	EHOO!	N BYBIE	M (AW)	65-		Ţ	╁	F	╁	上	F	上			<del> </del>	t	$\vdash$		igspace		$\vdash$		╁		╁	L		┼-	ļ		-	I	╁	F		╀		
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BC. JBB (VARIANT 2)							$\vdash$			厂	<del>                                     </del>	t	<u> </u>		$\vdash$	T	-		<u> </u>		-		┝		-			╁		L	+			-		╁		
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MANUFACTURER'S NAME AND LOCATION	MEN SU8T	9	MAX	O. +						ADMIN LEAD TIME	<b>≅</b> ₽		į		Ď	الح	₫	A = CONTRACT AWARD	XE YES	CT A	WARI																	
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P-1 SHOPPING LIST, ITEM	M	NO. 63				ı	:		İ					-	AGE	PAGE 1 OF	- -	1 PAGES	en.					İ	l								ĺ		E C	TIBILD	P-21	2
														_	S	UNCLASSIFIED	ة	Ы																				

BUDGET ITE	BUDGET ITEM JUSTIFICATION SHEET	v sheet		DATE	MAF	MARCH 1996	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM SOF INTE	P-1 ITEM NOMENCLATURE SOF INTELLIGENCE SYSTEMS	MS			
-	PY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY							
COST (In Millions \$)	23.488	25.731	19.833	45.377	33.075	68.044	59.956

Threat Evaluation System, SOF Intelligence Vehicle, Multi-mission Advanced Tactical Terminal (MATT), SILENT SHIELD, Integrated procurement program. This program provides for various intelligence systems and equipment supporting SOF intelligence requirements. Examples of systems procured are Joint Deployable Intelligence Support System-Special Operations Command, Research, Analysis and MISSION AND DESCRIPTION: This budget line includes all Special Operations Forces (SOF) intelligence requirements under one Survey Program, and PRIVATEER. Provides equipment for the Theater Special Operations Commands.

echelons. The C4I systems that support this new architecture will employ the latest standards and technology by transitioning from separate network of systems providing positive command and control and the timely exchange of intelligence and threat warning to all organizational systems to full integration with the infosphere. The infosphere will allow SOP elements to operate with any force combination in multiple systems continue to provide SOF with the required capabilities into the 21st century. USSOCOM's C4I systems comprise an integrated USSOCOM has developed an overall strategy to ensure that Command, Control, Communications, Computers, and Intelligence (C41) environments. The C4I programs funded in this procurement line are grouped by the level of organizational element they support: Operational Element (Team), Above Operational Element (Deployed) and Above Operational Element (Garrison),

# OPERATIONAL ELEMENT (TEAM)

1. MATT. Program enables combat forces to directly receive near-real-time operational intelligence products and threat information to

P-1 SHOPPING LIST, ITEM NO. 64

EXHIBIT P-40 Budget Item Justification Sheet Page 1 of 5 Pages

BUDGET ITEM JUSTIFICATION SHE	BET	DATE
		MARCH 1996
APROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NOMENCLATURE SOF INTELLIGENCE SYSTEMS	

1. Multi-mission Advanced Tactical Terminal (MATT). (Cont'd)

communications, and intelligence systems. Procurement and fielding of MATT will address the primary requirement for undetected support mission planning, updates, and execution. The program integrates MATT capabilities with platform command, control, infiltration and exit from operating areas and over the horizon radars. PY 1997 PROGRAM JUSTIFICATION: Procures aircraft modifications to accommodate MATT on the MH-531 Pave Low helicopter and Integrated Broadcast Service Receivers; also funds engineering change proposals. 2. SILENT SHIELD. The Program is part of an evolutionary Joint Threat Warning System (JTWS) migration being developed to support Special Operations Forces (SOF)-wide operations. System development emphasizes a rapid prototyping effort to develop, test, and field systems that provide direct threat warning and enhanced situational awareness data to SOF aircrews at the Collateral SECRET level.

FY 1997 PROGRAM JUSTIFICATION: Procures five systems.

3. Integrated Survey Program (ISP). Program procures commercial/government off-the-shelf equipment for a total of 11 suites of standard survey equipment. Packages will be fielded to each theater and special survey team. Standard equipment will consist of laptop computers with software to assist in data collection, digital filmless cameras, 8mm video cameras, global positioning system receivers, and laser

FY 1997 PROGRAM JUSTIFICATION: Provides for subsystem upgrades.

P-1 SHOPPING LIST, ITEM NO. 64

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Page 2 of 5 Pages EXHIBIT P-40 Budget Item Justification Sheet





BUDGET ITEM JUSTIFICATION SHE	HBBT	DATE
		MARCH 1996
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NOMENCLATURE SOF INTELLIGENCE SYSTEMS	

4. PRIVATEER. PRIVATEER is part of an evolutionary Joint Threat Warning System (JTWS) migration and acquisition program. It is a hardware with government furnished equipment integration maximizing commercial and government off-the-shelf software. Architecture is signals of interest and provides access to data from the Multi-mission Advanced Tactical Terminal (MATT) and Man-Transportable Special organic, near-real-time tactical information to the supported commanding officer and SEAL team leader. System developed based on NDI warning. System configuration provides the equipment necessary to monitor and provide direction finding on radar and communications Operations Command Research, Analysis, and Threat Evaluation System (SOCRATES). PRIVATEER will be receive only and provide Joint Deployable Intelligence Support System (JDISS)/Joint Maritime Communications and Intelligence Support System compliant with permanent shipboard installation that provides a full-spectrum passive electronic warfare capability for communications and radar early UNIX-based software.

# ABOVE OPERATIONAL ELEMENT (DEPLOYED)

command post shelter to house computer servers, mass storage devices, and communications equipment, and a tent extension for the remote 5. Special Operations Forces Intelligence Vehicle (SOF IV). The SOF IV is a deployable, automated, multi-source intelligence processing operation of analyst workstations. It incorporates DOD Intelligence Information System and JDISS standards and products in accordance manipulation of near-real-time intelligence data in order to produce highly tailored, accurate and timely intelligence products to support permitting automated interface to all theater-level intelligence data handling systems. SOF IV provides for the receipt, processing, and and dissemination system. The SOP IV extends the JDISS-SOCRATES architecture to the Joint Special Operations Task Force level deployed SOF. The system employs a high mobility multi-purpose wheeled vehicle configured with a rigid wall, standard integrated

P-1 SHOPPING LIST, ITEM NO. 64

EXHIBIT P-40 Budget Item Justification Sheet Page 3 of 5 Pages

BUDGET ITEM JUSTIFICATION SHEET	BET DATE	DATE
		MARCH 1996
	P-1 ITEM NOMENCLATURE	
PROCUREMENT, DEFENSEWIDE / 2	SOF INTELLIGENCE SYSTEMS	

Command Intelligence Architecture Plans. Intelligence capabilities are annually assessed and acquisition strategies adjusted to accommodate SOCLANT, SOCCENT, and SOC-K are supported and provided with intelligence processing and dissemination systems consistent with 6. Theater Special Operations Commands (SOCs). USSOCOM is responsible to ensure that SOCEUR, SOCSOUTH, SOCPAC, unique intelligence requirements within each Theater.

NOTE: Multi-mission Advanced Tactical Terminal and the Joint Deployable Intelligence Support System-Special Operations Command Research, Analysis and Threat Evaluation System (JDISS-SOCRATES) are also planned for this level.

# ABOVE OPERATIONAL ELEMENT (GARRISON)

processing, secure voice/video conferencing, news and message traffic, video mapping, soft copy imagery processing and secondary imagery imagery support to USSOCOM and components and extension to USSOCOM mission support units, Theater Special Operations Commands, and forward-deployed SOF. JDISS-SOCRATES is a UNIX-based, client server architecture which allows single workstation access to the SOF needs. JDISS-SOCRATES provides near-real-time intelligence to the SOF community. JDISS-SOCRATES capabilities include data 7. JDISS-SOCRATES Program. The JDISS-SOCRATES program provides a wide range of mission-directed automated intelligence and Worldwide Intelligence Communications System. Much of the data is acquired from national intelligence assets/databases and tailored to databases and provides secure, on-line services to remote sites via SCAMPI (a secure communications distribution system) and the Joint dissemination. This program ensures SOF interoperability and connectivity with Theater, Service, and national intelligence systems.

FY 1997 PROGRAM JUSTIFICATION: Continues procurement of equipment to establish a distributed JDISS-SOCRATES network architecture in compliance with the nationally directed client-server environment.

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EXHIBIT P-40 Budget Item Justification Sheet

Page 4 of 5 Pages





BUDGET ITEM JUSTIFICATION SHEET	BET		DATE				
					MARCH 1996	96	
APPROPRIATION / BUDGBT ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NG SOF INTELI	P-1 ITEM NOMENCLATURE SOF INTELLIGENCE SYSTEMS	3 3MS				
	MODIFICAT	MODIFICATIONS SUMMARY	ž:				
DESCRIPTION	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
Multi Mission Advanced Tactical Terminal (MATT) Modification to MH-531	0.528	6.900	9.823	21.758	13.087	6.212	0.934
PRIVATEER (Patrol Coastal)		8.555		6.870	0.608		
TOTAL	0.528	15.455	9.823	28.628	13.695	6.212	0.934
ō							
P-1 SHOPPING LIST, ITEM NO. 64						P	Page 5 of 5 Pages

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EXHIBIT P-40 Budget Item Justification Sheet

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P.S) - Other Procurement	A. Appropriati	A. Appropriation/Budget Activity Title/No. Procurement, Defensewide/Proc. Just./2	ity Tride/No.	B. Line Item Nomenclaure SOF INTELLIGENCE SYSTEMS	omenclatu HENCE S	re YSTEMS				C. DATE:	E: MARCH 1996	
	Ideat			and the state of t	FY 1995	The second second second		FY 1996		entra de la companya de la companya de la companya de la companya de la companya de la companya de la companya	FY 1997	
Weapon System Cost Riements	Code			Unit Cost	YID	Total Cost	Unit Cost	OTV	Total Cost	Unit Cost	QTY	Total Cost
1. WATE												
A. Prime Mission Equipment (MAII)	A									128.500	12	1,542
B. Prime Mission Equipment (BMATT)	¥									159.000	2	318
C. Production Engineering	<					8,559			5,377			1,000
D. MH-531 Modification Costs (See F3a)	¥					528			9,900			9,823
Subtotal			and the same and t			6,087			12,277			12,683
2. SILENT SHIELD	4											
A. Prime Mission Equipment										673.400	8	3,367
3. INTEGRATED SURVEY PROGRAM (ISP)	A											
A. System Upgrades								VAR	200		VAR	193
4. PRIVATEER	¥											
A. Prime Mission Equipment							1,711.000	S	8,555			
S. SOF IV												
A. Hardware	N/A				VAR	9,710						
B. Production Support	N/A					1,211						
Subtotal						10,921						
6. THEATER SOCS	N/A				VAR	510						
7. SOCRATES												
A. Integrated Workstations/Pertipherals	N/A				VAR	2,982		VAR	1,159		VAR	456
B. MTS	N/A			33.533	15	\$03						
C. File Server/Network Upgredes	N/A				WAR	2,485		VAR	3,540		VAR	3,134
Subtotal						5,970			4,699			3,590
							A DESCRIPTION OF THE PROPERTY					
LINB ITEM TOTAL						23,488			161,22			19,833

P-1 SHOPPING LIST, ITEM NO. 64

Page 1 of 1 Page EXHIBIT P-5, Weapon System Cost Analysis



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			ON CENTRAL ILLE	,						
BUDGET F	BUDGET PROCUREMENT	HISTORY A	AND PLANNING				,	A. DATE:	March 1996	
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2				C. P-1 ITE SOF IN	C. P-1 ITEM NOMENCLATURE SOF INTELLIGENCE SYSTEM	P-1 ITEM NOMENCLATURE SOP INTELLIGENCE SYSTEMS				
LINB ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATB	DATE OF FIRST DEL	QUANTITY	UNIT	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
1. MATT			•							
A. PRIME MISSION EQUIPMENT (MATT)										
FY 97	Allied Signal	NOILAO	USSOCOM	OCT %	OCT 91	12	128.500	YES	ON	
	Towson, MD									<del></del>
B. PRIME MISSION EQUIPMENT (BMATT)										
FY 97	Ailled Signal	NOTTAO	USSOCOM	OCT 96	OCT 97	7	159.000	YES	ON	<del>- 1</del>
	Towson, MD									and the second second
2. SILENT SHIELD										
A. PRIME MISSION EQUPMENT										
FY 97	UNKNOWN	С/ИРР	USSOCOM	JAN 97	OCT 97	so.	673.400	YES	YES	0CT 96
4. Privateer							-			
A. PRIME MISSION EQUIPMENT										
FY 96	Autometrios	SS/CPFF	NISE-B	MAR 96	SEP 96	80	1,711.000			
	Baltimore, MD									··.
7. SOCRATES										
B. MTS										
FY 95	SASS	C/FFP	DIA	OCT &	MAY 95	15	33.533			***************************************
	Alexandria, VA									
D. REMARKS:										

P-1 SHOPPING LIST, ITEM NO. 64

DATE: MARCH 1996

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: MULT-MISSION ADVANCED TACTICAL THRMINAL (MATT)

MODELS OF SYSTEMS AFFECTED: MH-531

DESCRIPTION/IUSTIFICATION:

This effort integrates the MATT onto the existing Military-Standard 1553 data bus to provide electronic order of battle information to the crew. The integration also adds a digital map system and displays. The program modifies existing computers, controls, and display systems and replaces the projected map and data transfer systems. The system architecture is designed to allow the integration of other systems in the future, identified as a result of the Quiet Knight study effort.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

80W: Jul 92; CCB: May 92: CMRB; Jul 92. (Alruft Breakout: 0 ANG; 0 AFRES; 41 Active)

PHYPHY SEAL FACTOR (0) ES EMPERORE)	e A A	FY98		FY96	FY97	FY98	80	FY 98		FYCO	FYOI	TC	TOTAL	ı
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RUTAB	2.9													2.9
PROCUREMENT		•												
Installation Kits	20				12 1.3	16	1.7	10	1.4				40	4.4
Installation Kit Nonrecurring	0.6	,												9.0
Equipment					5.9		7.8		0.9					19.7
Equipment Nonrecurring	4.5			2.4	and stand unflowed as \$ 217 affice and stone									6.9
Engineering Change Orders				4.2	Control of the Control of Management of the Control		1.2		9.4	1.9				7.7
Data	6.4			The same of the sa			0.9			0.7				8°.0
Support Equipment	1.0				2.3		0.5				0.0			4.7
Training Equipment	0.3						4.7							8.0
Interim Contractor Support			0.5	0.3	0.3		9.0		0.3					2.2
Installation of Hardware														
PYs				2 o									2	
FY95														
FY96														
PY97						12	4.2						12	4.2
FY98								16	5.0				16	8.0
FY99										10 3.6			10	3.6
FY00														
FY01														
To Complete														
Total Installation Cost				2		12	4.2	16	5.0	10 3.6			40	12.8
o Two installation kits are included in NRE.	NRB.													
Total Procurement Cost	12.8	90	0.8	6.9	9.8	80	21.8		13.1	6.2	6.0	_		72.0
METHOD OF IMPLEMENTATION:	CONTRACTOR (LORAL)	ROCKAL			ADM	ADMINISTRATIVE LEADTIME: 6 MONTHS	/BLEADT	IMB:	MONTHS	ı	PRODUCTION LEADTIME: 3 MONTHS	LEADTIME:	3 MONTHS	

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Page 1 of 3 EXHIBIT P-3A

Budget Year 2: 1/97 Budget Year 2: 2/97

Budget Year 1: 1/26 Budget Year 1: 2/26

Current Year: 1/95 Current Year: 2/95

P-1 SHOPPING LIST, ITBM NO. 64

CONTRACT DATE: DELIVERY DATE:



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# MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: MH-53J MULTI-MISSION ADVANCED TACTICAL TERMINAL (MATT) INSTALLATION SCHEDULE:

QUARTERS INPUT

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	4				
FY 1995	£				
FY	2				

FY 1995

QUARTERS OUTPUT

FY 95 FY 96 FY 97 FY 98

PΥ

FY 2000

FY 98 FY 99

FY 95 FY 96 FY 97 FY 2001

	4					
966	3	2				
FY 1996	2					
	1					

4							
3	2						
2							
		2 3 4	2 3 4	2 3 4	2 3 4	2 3 4	

FY 1997

	4	2				
966	3					
FY 1996	2					

	4				
766	3				
FY 1997	2				
	1				

P-1 SHOPPING LIST, ITEM NO. 64

FY 2000

FY 99

FY 2001

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MODIFICATION TITLE: MH-531 MULTI-MISSION ADVANCED TACTICAL TERMINAL (MATT) INSTALLATION SCHEDULE:	FY 1998 FY 2000	1 2 3 4 1 2 3 4 1 2 3 4			*	4	8 8 2		FY 1998 FY 1999 FY 2000	1 2 3 4 1 2 3 4 1 2 3 4 1			4	4 4 4	2 4 2	
		*	_		4											
531 M	1998								1998						-	
MH.	FY	2			4				E	2		<u> </u>	4			
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P-1 SHOPPING LIST, ITEM NO. 64





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TEM / MANUFACTURER!  1.A. MATT PRIME MISSION EQUIPMENT  1.B. MATT PRIME MISSION EQUIPMENT  1.B. MATT PRIME MISSION EQUIPMENT  1.C. PHIVATEER PRIME MISSION EQUIPMENT
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III LEDONE	BUDGET ITEM JUSTIFICATION SHEET	ON SHEET		DATE	MAR	MARCH 1996	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEN SOF SM	P-1 ITEM NOMENCLATURE SOF SMALL ARMS & SUPPO	P-1 ITEM NOMENCLATURE SOF SMALL ARMS & SUPPORT EQUIPMENT	<b>-</b>		
-	FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY							
COST (In Millions \$)	8.804	10.764	10.613	9969	10.795	2.320	5.119

Armor/Anti-Personnel Weapons System; Navy small arms and weapons and support equipment; M4A1 Carbine; M4A1 Special Operations teams. A variety of SOF small arms and weapons are procured through this budget line, including: SOF foreign weapons; Ranger Antigroups, special boat units, special warfare groups, special warfare units, SEAL teams, special boat squadrons and SEAL delivery vehicle Peculiar Modification (SOPMOD) Accessory Kits and support equipment; MK 23 MOD 0 SOF Offensive Handgun; SOF Laser Marker MISSION AND DESCRIPTION: Provides small arms and weapons in support of SOF. These forces include Rangers, special forces (SOFLAM); and Battle Dress System (BDS)

COST (In Millions \$)

- training exercises. Provides minor equipment (special tools such as wrenches, handling gear, and waterproof specialty items); commercially available MK-186 MOD 0 remote firing kits; product improvements to the MK-31 MOD 0 standoff weapon; the Limpet Assembly Module (LAM) MK-5 and Practice Limpet Assembly Module (PLAM) MK-6; the MK-31 heavy weight torpedo for the MK-32 MOD 0 special 1. SOF Weapons Systems Ordnance and Equipment. Provides SEAL units a variety of items and engineering support for combat and warfare assemblage and its support equipment; MK-32 MOD I torpedoes; and ECPs for LAM MK-5 / PLAM MK-6.
- standoff weapons and sniper rifles. Also provides support equipment such as gun mounts, stands, and installation kits for boat backfit or spare parts and supplies for weapons maintenance; anti-material weapons for extended ranges; and sniper rifles needed for standoff point modification; purpose code replacement and/or follow-on procurement of unique weapons to maintain inventory; mobile repair vans for 2. SOF Weapons and Support Equipment. Provides a variety of support equipment, replacement weapons, mobile repair capability,

P-1 SHOPPING LIST, ITEM NO. 65

EXHIBIT P-40 Budget Item Justification Sheet Page 1 of 3 Pages

BUXBIT ITEM JUSTIFICATION SHEET		DATE
		MARCH 1996
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NOMENCLATURE SOF SMALL ARMS & SUPPORT EQUIPMENT	UIPMENT

2. SOF Weapons and Support Equipment. (Cont'd)

FY 1997 PROGRAM JUSTIFICATION: Procures 125.50 caliber sniper rifle retrofit kits, 110 boat gun mounts and support equipment.

module. The system improves upon currently available handguns by providing increased reliability, accuracy, and offensive incapacitation 3. MK 23 MOD 0 SOF Offensive Handgun System. Program consists of a .45 caliber handgun, noise/flash suppressor, and laser aiming

FY 1997 PROGRAM JUSTIFICATION: Procures 650 laser aiming modules, completing the production program.

including modification of existing weapons to accommodate items such as night vision devices and aiming modules. One such modification is the M4A1 Carbine Accessory Kit which gives the basic M4A1 Carbine various accessories to adapt it for missions across the operational spectrum. Provides for kits which consist of day scopes, night scopes, integrated scopes, active aiming laser module, grenade launchers, 4. SOF Weapons Mods and Support Equipment. Provides weapons and associated equipment with a variety of enhanced capabilities lightweight grips, and an interface system to allow integration of these items with the M4A1 Carbine. FY 1997 PROGRAM JUSTIFICATION: Procures 860 sets of M4A1 Carbine Accessory Kits and 1,779 M4A1 Carbines for Naval Special Warfare Command.

with a mission-adaptable load-bearing capability. BDS is needed to replace the current cold weather uniform; nuclear, biological, chemical, protection against weather extremes, ballistic threats, chemical and biological threats, and enemy detection. BDS also will provide the user protective suit; ballistic protection vest; rucksack; and load-bearing equipment. The integration of the functions served by these numerous 5. Battle Dress System (BDS). BDS is a multi-layer, head-to-toe protection, clothing, and load-bearing system which will provide

P-1 SHOPPING LIST, ITEM NO. 65

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EXHIBIT P-40 Budget Item Justification Sheet





BUDGET ITEM JUSTIFICATION SHEET	IBT	DATB	MARCH 1996
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NOMENCLATURE SOF SMALL ARMS & SUPPORT EQUIPMENT	EQUIPMENT	

5. Battle Dress System. (Cont'd)

and cumbersome equipment articles will greatly reduce carry loads and improve user flexibility and endurance under varying conditions.

FY 1997 PROGRAM JUSTIFICATION: Procures 145 critically needed advanced body armor with integrated, load bearing equipment.

lightweight, manportable, laser target designator and rangefinder effective out to five kilometers. SOFLAM gives SOF a standoff capability 6. Special Operations Forces Laser Acquisition Marker (SOFLAM). SOFLAM provides Special Operations Forces (SOF) with a against strategic targets. SOFLAM replaces heavier, bulkier, and less reliable systems, such as the Compact Laser Designator.

harnesses, battery cases, carrying cases, and tripods. Funds acceptance testing of 145 SOFLAM units at the contractor's plant. Also funds program support to include maintenance of repair parts, stockage levels, integrated logistics support management, and program management FY 1997 PROGRAM JUSTIFICATION: Procures various components of the SOFLAM system to include cables, connectors, battery during delivery and fielding.

Missile Rd. and provides a 24-hour mission capability. The sight works passively in the same infrared spectrum as the seeker and allows 7. Stinger Thermal Sight (STS) Kit. The AN/PAS-18 (WASP) is a rugged, lightweight thermal imaging sight that mounts on the Stinger the gunner to perform target acquisition and weapon firing during total darkness and under reduced visibility conditions such as fog, dust, smoke, and haze.

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WHAPON SISIEM COSI ANALISIS EXHIBIT (P.S) - Other Procurement	A. Appro Procuren	A. Appropriation/Budget Activity   104c/No. Procurement, Defensewide/Proc. Just./2	de/Proc. In	inte/No.	S. Line litera Nomencialure SOF SMALL ARMS & SU	Nomenciatu ARMS &	B. Line item Nomerciature SOF SMALL ARMS & SUPPORT EQUIPMENT	QUIPMENT			C. DAIB: MARCH 1996	MARCH 13	£
	Ideal.					FY 1995			FY 1996			FY 1997	
Weapon System Coet Elements	Code				Unit Cost	TED .	Total Cast	Unit	QTY	Total	Unit	QTY	Total Cost
1. SOF WEAPONS SYSTEMS ORDNANCE & EQUIPMENT													
A. Minor SWS Equipment	A						13						
B. Remote Firing Device	4				45.000	60	360						
C. Production Engineering	N/A						150						
D. Product Upgrades	N/A						365						
E. LAM MK S ECP's	4						800	- American Company					
Subtotal							1,388						
2. SOF WEAPONS & SUPPORT EQUIP													
A. Support Equipment	«						321			150			\$2
B. M3 Carl Gustaf & Acc	A				13.833	8	830						
C. Purpose Code Weapons	4						63						
D300 Winnag Sniper Rifles	۷.												
E50Cal Sniper Riffes	A							3.120	125	390	3.184	125	398
F. Mounts	¥							1.818	110	200	1.873	110	206
G. Production Engineering	N/A									103			10
Subtotal							1,214			843			726
3. OFFENSIVE HANDGUN SYSTEM													
A. Offensive Handgun (All-Up Weapon)	٧				1.206	1,950	2,352	1.009	1,005	1,014			
B. Non-recurring Cost	N/A						2,409						
C. Production Engineering	N/A						124			292			137
D. Laser								0.716	703	503	0.768	650	499
R. Suppressor								0.575	1,350	776			
F. Magazines					670.	4290	124	0.029	23,300	676			
G. Holsters & Magazine Pouches								0.085	5,175	440			
H. Spare Parts									VAR	348			
Subtotal							8,009			4,049			636
					420						•		
			-0.000										

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Page 1 of 2 Pages EXHIBIT P-5, Weapon System Cost Analysis

				UNCLASSIFIED	SILIED								
	A. Appro Procuren	A. Appropriation/Budget Activity Title/No. Procurement, Defensewide/Proc. Just./2	4 Activity vide/Proc. J	Title/No. urt./2	B. Line Item SOF SMALI	Nomenclati	B. Line Item Nomenclature SOF SMALL ARMS & SUPPORT EQUIPMENT	UIPMENT			C. DATE: MARCH 1996	MARCH 1	<b>%</b>
	Ideat.					FY 1995			FY 1996			FY 1997	
Weapon System Cost Elements	Code				Unit Cost	VII	Total	Cost	QIIY	Total Cost	Unit	QIIY	Total Cost
4. SOF WPNS MODS & SPT EQUIP													
A. M4 Carbine - Modified	<							0.520	1,780	976	0.520	1,779	925
B. M203 Heat Shield	٧												
C. M4 Carbine for Grenade Launcher	۷												
D. Repair Kita	٧												
B. Production Support	N/A												
F. M4 Carbine SOFMOD Kits	4				8.837	135	1,193	8.827	206	2,710	8.792	860	7,561
Subtotal							1,193			3,636			8,486
S. BATTLE DRESS SYSTEM													
A. Lightweight Cold Weather Equipment	۷							0.220	1,000	220			
B. Body Armor/LBB	4										1.993	145	289
Subtotal										220			289
6. SOFIAM													
A. Hardware	۷								VAR	1,362		VAR	367
B. Production Engineering Support	V/N									300			109
Subtotal										1,662			476
7. STS KIT													
A. Hardware	٧							19.667	<u>\$</u>	354			
Subtotal										354			
		-											
LINE ITEM TOTAL							8,804			10,764			10,613

P-1 SHOPPING LIST, ITEM NO. 65

Page 2 of 2 Pages EXHIBIT P-5, Weapon System Cost Analysis

BUDGET	BUDGET PROCUREMENT	HISTORY	and planning				8	A. DATE:	March 1996	
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	A.I.		-	C. P-1 ITE SOF SA	P-1 ITEM NOMENCLATURE SOP SMALL ARMS AND SUI	P-1 ITEM NOMENCLATURE SOP SMALL ARMS AND SUPPORT	RT EQUIPMENT	MENT		
LINB ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPB	CONTRACTED BY	AWARD DATB	DATE OF FIRST DEL	QUANTITY	UNIT	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
1. SOF WPN SYSTEMS ORDNANCE/EQUIP										
A. REMOTE FIRING DEVICE										
FY 95	NSWC Crans Div	MIPR	NAVSEA	0CT 84	MAY 95	69	48.000			
2. SOF WEAPONS AND SUPPORT EQUIP		-						AND THE COLUMN		
B. M3 Carl Gurtaf & Acc			in a service					000000		
FF 93	NSWC Craps Div	MIPR	NSWCD Cress	AUG 95	AUG 96	8	13.833			
	Crass, IN									
E50 Cal Super Rifles	and the second									
FY 96	NSWC Crans Div	MIPR	NSWCD Crans	MAR 96	SEP 96	125	3.120			
	Crane, IN									
FY 97	NSWC Crane Div	MIPR	NSWCD Crane	MAR 97	SEP 97	125	3.184	NO		
	Crane, IN						***************************************			
F. Mounts										
FY 96	NSWC Crane Div.	MIPR	NSWCD Creps	MAR 96	SEP 96	110	1.818			
	Creme, IN	0.00 SW # 6					en entoma i i fui fu			
FY 97	NSWC Crane Div.	MIPR	NSWCD Crane	MAR 97	SEP 97	110	1.873	YES	NO.	
	Crane, IN						and the second s			
3. SOF OFFENSIVE HANDOUN SYSTEM	- The second second						***************************************			
A. Offensive Handgun (All-Up Wespon)										
FY 95	Heckler & Koch	SS/FP	NSWD Crans	SO NOS	MAY 96	1,950	1.206			and the second
	Sterling, VA								**************************************	
									S. Carrier and S. Car	

P-1 SHOPPING LIST, ITEM NO. 65

Page 1 of 3 Pages EXHIBIT P-5A Procurement History and Planning



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BUDGET	BUDGET PROCUREMENT HISTORY	HISTORY A	AND PLANNING					A. DATE:	March 1996	
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	T.			C. P-1 ITE SOF SN	C. P-1 ITEM NOMENCLATURE SOF SMALL ARMS AND SUI	P-1 ITEM NOMENCLATURE SOP SMALL ARMS AND SUPPORT EQUIPMENT	ORT EQUIP	MENT		
LINB ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD	DATE OF FIRST DEL	QUANTITY	UNIT	SPECS AVAIL NOW	SPBC REVIS REQ'D	IF YES, WHEN AVAIL
3. SOF OFFENSIVE HANDGUN SYSTEM (Coat'd)										
FY %	Heckler & Koch	NOLLAO	NSWD Crane	NOT 86	DBC 96	1,005	1.009	YES		
	Sterling, VA									
D. Laser Aiming Module								***		
FY 96	UNKNOWN	C/FP	NSWC Crane	30 NOE	AUG 96	703	.716	ON ON		
FY 97	UNKNOWN	OPTION	NSWC Cruo	14N 97	MAR 97	650	.768	ON		
B. Suppressor										
FY 96	Knights Amement	SS/FP	NSWC Crane	JAN 96	APR 96	1,350	.575	ON		
	Vero Boach, FL									
F. Magazinos										
FY 95	Heckler & Koch	SS/FF	NSWC Crane	MAY 95	MAY 96	4,290	0.029			
	Sterling, VA									
FY 96	Heckler & Koch	OPTION	NSWC Crube	NOV 95	10N 97	23,300	620:	NO		
	Sterling, VA					-				······································
G. Holsten & Magazine Pouches										
FY 96	Sefaritand	С/РРР	NSWC Crane	PTEGB 9%	MAY 96	5,175	0.085	NO		
	Ontario, CA						A STATE OF THE STA			

Page 2 of 3 Pages EXHIBIT P-5A Procurement History and Planning

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BUDGET	T PROCUREMENT	HISTORY	and planning				•	A. DATE:	March 1996	
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	All			C. P-1 ITE SOF SN	P-1 ITEM NOMENCLATURE SOF SMALL ARMS AND SUI	CLATURE AND SUPPORT EQUIPMENT	ORT EQUIP	MENT		
LINB ITEM FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATB	DATE OF FIRST DEL	QUANITIY	UNIT	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
4. Sof wens mods a spt bouip										
A. MA CARBINE - MODIFIED (MAAI)										
FY 96	Cok, Inc.	NOLLO	U.S. Army	MAY 96	30L %	1,780	.\$20	YES	NO	
	Harford, CN				A STATE OF THE STA					
65 Ad	Coft, Inc.	NOTTO	U.S. Army	MAY 97	MAR 97	1,779	.520	YES	NO	
	Harford, CN									
F. M4 CARBINE SOFMOD KITS										
FY 95	VARIOUS	C/FF	NSWC Crass	MAR 95	SEP 95	13\$	8.837			
96 Ad	VARIOUS	C/FF	NSWC Crane	MAR 96	SEEP 946	307	8.827			
FY 97	VARIOUS	C/FF	NSWC Crane	MAR 97	SEP 97	860	8.792	NO		
S. BATTLE DRESS SYSTEM (BDS)										
A. Lightweight Cold Weather Equipment										
FY 96	VARIOUS	CARP	USSOCOM	JUL 96	OCT 97	1,000	.220	NO		
B. Body Armor/LBB										
FY 97	UNKNOWN	C/FF	USSOCOM	JAN 97	SEE 97	145	1.993	NO	-	
7. STS KIT	nday ya Pabane									
FY 96	Magnavox	C/FF	USMC	JAN 96	SRP 96	<b>2</b>	19.667			
	Mahway, NJ									
D. REMARKS:		•								

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TEM / MANUFACTUREN/ B PRODUCTION SCHEDULE  4.F. M4 CARBINE SOFMODKITS  FY86 A FY86 A FY87 A F
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BUDGET IT!	BUDGET ITEM JUSTIFICATION SHEET	ON SHEET		DATE	MAR	MARCH 1996	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEN SOF MA	P-1 ITEM NOMENCLATURE SOF MARITIME EQUIPMENT	E NT			
	FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY							
COST (In Millions \$)	9.840	6.842	5.030	8.800	12.750	16.464	29.673

MISSION AND DESCRIPTION: This program provides necessary equipment to enable the Naval Special Warfare Command to meet specific requirements for the execution of Special Operations and fleet support mission as the Naval Component of the U.S. Special Operations Command. These elite forces are called upon to perform difficult life threatening missions that require modern and safe equipment. Numerous items of equipment, such as small craft, open and closed circuit scuba equipment, and mine countermeasure equipment, are required for the Naval Special Warfare component to execute their unique, special operations missions.

range surface mobility platform for SOP insertion and extraction and replaces the Special Warfare Craft (Light), or SEAFOX, which has engineering support. Alterations, material, and installation funds support boat alterations for emergent modifications to craft in the NSW 1. Combatant Craft and Craft Subsystems. The Navy Special Warfare (NSW) Rigid Inflatable Boat (RIB) program provides a medium ended its service life. The program supports the procurement of RIBs, trailers, deployment packages, on-board spares, and provides inventory that require centrally-managed equipment and headquarters expertise.

deployment packages, equipment shelters, electronics, and initial and on-board spares following a Milestone IIIA approval and based on an FY 1997 PROGRAM JUSTIFICATION: Funds procurement of four low-rate initial production (LRIP) RIBs with trailers, prime movers, FY 96 restructured NSW RIB program. Deliveries of full-rate production assets will commence within 12 months of ordering the LRIP assets. Funds provided for the Navy Boat Program will support safety and reliability upgrades to surface craft in the NSW inventory.

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EXHIBIT P-40 Budget Item Justification Sheet Page 1 of 2 Pages

BUDGET ITEM JUSTIFICATION SHEET		DATE
		MARCH 1996
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NOMENCLATURE SOF MARITIME EQUIPMENT	P-1 ITEM NOMENCLATURE SOF MARITIME EQUIPMENT

The program funds emergent Dry Deck Shelter (DDS) field changes that improve diver/submarine safety and 2. Undersea Subsystems. enhance mission success.

Developmental Item (NDI) equipment, where possible. Field changes replace worn/obsolete COTS/NDI components to keep DDS units FY 1997 PROGRAM JUSTIFICATION: The DDS maintenance philosophy is to use Commercial, Off-the-Shelf (COTS)/Nonoperating.

P-1 SHOPPING LIST, ITEM NO. 66

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EXHIBIT P-40 Budget Item Justification Sheet



				2	משויוופשים אוס								
WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5) - Other Procurement	A. Appro Procureza	A. Appropriation/Budget Activity Procurement, Defensewide/Proc.	octivity Title/No. Proc. Just./2	,, <u>, , , , , , , , , , , , , , , , , ,</u>	B. Line Item Nomenclature SOF MARITIME EQUIPMENT	omenclatu B BQUIP	e MENT				C. DATE: MAI	t MARCH 1996	
	Ident.					FY 1995			FY 1996			FY 1997	
Weapon System Cost Elements	Code				Unit Cost	QLX OLX	Total Cost	Unit Cost	QIIX	Total Cost	Unit Cost	QITY	Total Cost
1. COMBATANT CRAFT SUBSYSTEMS													
A. 24 Pt. RIBs													
(1) Boats	٧							100.000	30	3000			
(2) Trailers	٧							16.000	30	480			
(3) Мочеп	٧												
(4) Deployment Packages	٧							48.000	15	720			
(5) Shelters	٧							12.000	30	360			
(6) Initial/On-Board Sparce	٧							15.000	30	450			
(7) Electronics	V												
(8) Other	N/A						25			774			
B. NSW RIB													
(1) Boats	٧										874.000	4	2,296
(2) Trailers	٧										32.500	4	130
(3) Movers	A					-					75.500	2	151
(4) Deployment Packages	٧										324.000	2	648
(5) Shelters	٧										14.500	+	58
(6) Initial/On-Board Sparce	٧										19.750	4	79
(7) Electronics	٧										31.000	4	124
(8) Other	٧												459
C. ALT/MAT/INSTALL	٧						462		VAR	484		VAR	506
Subtotal							554			6,268			4,451
2. UNDERSEA SUBSYSTEMS													
A. Mini Underwater Global Positioning System Receiver (MUGR)	٧				6.396	192	1,228						
B. Dry Deck Shelter Field Changes	N/A					VAR	643		VAR	\$74		VAR	879
Subtotal							1,871			\$74			579

P-1 SHOPPING LIST, ITEM NO. 66

Page 1 of 2 Pages EXHIBIT P-5, Weapon System Cost Analysis

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WEARING STREET COST ANALYSIS EKHIBIT (P-S) - Other Procurement	А. Аррго Ргосител	A. Appropriation/Budget Activity Title/No. Procurement, Defensewide/Proc. Just./2	y Title/No. Just./2	SOF MARITIME EQUIPMENT	Voerscenchafu AB BQUII	ING PMENT				C. DATE:	E: MARCH 1996	
	Ident.				FY 1995			FY 1996			FY 1997	noinnennoinneachthraidh a thaga
Wespon System Cost Elements	Code			Unit Cost	QTY	Total Cost	Unit Cost	QIY	Total Cost	Unit Cost	<b>ALLA</b>	Total Cost
3. SUSTAINMENT												
A. NSW Groups & NSW Units - West	N/A				VAR	4,635						
B. New Groups & NSW Units - East	N/A				VAR	1,492						
C. NAVSPECWARCEN	N/A				VAR	1,288						
Subtotal						7,415						
							de contraction de la contracti					
							and deliverance of the contraction of the contracti					
							•					
										*		
						9,840			6,842			5,030
LINB ITEM TOTAL						9,840			6,842			5,030

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Page 2 of 2 Pages EXHIBIT P-5, Weapon System Cost Analysis



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A	BUDGET PROCUREMENT	IENT HISTORY	Y AND PLANNING				A.	DATE:	March 1996	96
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2	VITY 2			C. P-1 IT SOF M	C. P-1 ITEM NOMENCLATURE SOF MARITIME EQUIPMENT	CLATURE QUIPMENT				
LINB ITEM FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATB	DATE OF FIRST DEL	QUANTITY	UNIT	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
1. COMBATANT CRAFT SUBSYSTEMS						-				
A. 24 Pt. RIBs									<del>, , , , , , , , , , , , , , , , , , , </del>	
(1) Bonts										
FY 96	Zodiak Boats	C/FP OPTION	NAVSPECWARCOM	APR 96	OCT %	30	100.000	YES	ON	
	Amapolis, MD					•				
(2) Trailers										
FY 96	Zodiak Bosts	C/FP OPTION	NAVSPECWARCOM	APR 96	OCT 96	30	16.000	YES	NO NO	
	Amspells, MD									ody sy fakt Osystem
(4) Deployment Packages					24.					
FY 96	VARIOUS	OPTION	NAVSPECWARCOM	APR 96	0CT %	15	48.000	YES	ON	•
(5) Shelters							3-1			
FY 96	VARIOUS	OPTION	NAVSPECWARCOM	APR 96	0CT %	30	12.000	YES	NO	
(6) ILS	,					e de la como				
FY 96	VARIOUS	OPTION	NAVSPECWARCOM	APR 96	OCT 96	30	15.000	YBS	NO	
B. NSW RIB										
(1) Boats										
FY 97	UNKNOWN	C/FP OPTION	SOKO	MAR 97	AUG 97	*	574.000	ON.		
(2) Trailors										
FY 97	UNKNOWN	C/FF OPTION	SOKO	MAR 97	AUG 97	*	32.500	NO		
(3) Movers										
FY 97	UNKNOWN	OPTION	SOKO	MAY 97	AUG 97	2	75.500	ON		

Page 1 of 2 Pages EXHIBIT P-5A Procurement History and Planning

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	BUDGET PROCUREMENT	AENT HISTORY	Y AND PLANNING				A.	DATE:	March 1996	96
B. APPROPRIATION/BUDGET ACTIV PROCUREMENT, DEFENSEWIDE/2	ACTIVITY IDE/2			C. P-1 IT SOF N	P-1 ITEM NOMENCLATURE SOF MARITIME EQUIPMENT	NCLATURE EQUIPMENT				
LINB ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATB	DATE OF FIRST DEL	QUANTITY	UNIT	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
(4) Deployment Packages										
FT 97	UNKNOWN	OPTION	SOKO	MAY 97	AUG 97	8	324.000	NO NO		
(5) Sheltern										
FY 97	UNKNOWN	OPTION	SOKO	MAY 97	AUG 97	*	14.500	0 <u>N</u>		
(6) 11.8									## Vienne   F	
16 AM	UNKNOWN	OPTION	SOKO	MAY 97	AUG 97	₹	19.750	No No		
(7) Electronics										
16 Ad	UNKNOWN	OPTION	SOKO	MAY 97	AUG 97	4	31.000	ON		
2. UNDERSEA SUBSYSTEMS								(Constitution of the Constitution of the Const		
A. Mini Underwater Global Positioning System Receiver (MUGR)	sç <del>ana acassimali b. 48</del> 0	oopses.								
FY 95	Trimble NAV	SS/FF	ABERDEEN PROVING GROUND	JUN 95	SEP 95	192	6.396			
D. REMARKS:										

P-1 SHOPPING LIST, ITEM NO. 66

Page 2 of 2 Pages EXHIBIT P-5A Procurement History and Planning



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NAME   NAME	ITEM / MANUFACTUREN/ PROCUREMENT YEAR	<b></b>	PROC P∓O											×× —	<b>⊳</b> ≺:	<b>₩=`</b> `	¥ 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	273:	J V O			D W	ğewi	V K	<u>`</u>	\$ <del>22</del>	8 < 3	ဝပ္၊	333		A T T	PA A	373	6	103 <b></b> -	<b>∢⊢</b> ш
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BUDGET ITE	BUDGET ITEM JUSTIFICATION SHEET	N SHEET		DATE	MAR	MARCH 1996	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM MISCELL	P-1 ITEM NOMENCLATURE MISCELLANBOUS EQUIPMENT	BNT			
-	FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY							
COST (In Millions \$)	3.191	5.216	3.030	3.513	6.719	11.184	11.733

subordinate command operations, joint stock and collateral equipage associated with military construction, and active noise reduction helmet Special Operations Forces (SOF). The line consists of relatively low cost procurement (total item cost normally less than \$10 million) that MISSION AND DESCRIPTION: The Miscellaneous Equipment budget line provides for various types of equipment required to support do not reasonably fit in other USSOCOM procurement line item categories. Examples are equipment to support headquarters and

- Unit). The D-Cell Unit provides base level support in an austere field environment for the headquarters or components during exercises and 1. USSOCOM Headquarters Management. Base Procured Investment Equipment (BPIE) for USSOCOM and the Deployment Cell (D-Cell contingencies.
- 2. Joint Operational Stocks (JOS). The JOS are centrally managed, maintained and stored repositories of immediately available Special deployed SOF units in support of world-wide contingency operations and other direct missions. The equipment is located at the SOF Operations-peculiar low density supplies and equipment. JOS are designed to provide an enhanced operational mission capability to Support Activity located at Lexington-Bluegrass Army Depot.

FY 1997 PROGRAM JUSTIFICATION: Funds offset critical supply requirements by maintaining off-the-shelf leading edge mission capable equipment on an on-call basis.

P-1 SHOPPING LIST, ITEM NO. 68

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EXHIBIT P-40 Budget Item Justification Sheet

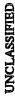
Page 1 of 2 Pages

BUDGET ITEM JUSTIFICATION SHEET	E B	DATE
		MARCH 1996
APPROPRIATION / BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE	
PROCUREMENT, DEFENSEWIDE / 2	MISCELLANEOUS EQUIPMENT	

- 3. Special Operations/Combat Service Support (SO CBT SPT/CSS). Funding provides communications and logistics support of units across the spectrum of conflict.
- 4. SOF Medical Training Facilities Equipment. Procures needed equipment for the John F. Kennedy Special Warfare Center Medical Facility. Included are X-ray, pharmacy, library, classroom, audio visual, teletraining systems and other required equipment.
- 5. Active Noise Reduction. Active Noise Reduction will be built into the headsets and helmets used by aircraft crew members and use electronic noise canceling to reduce the noise level. The system detects the ambient noise signal, reverses the phase and amplitude, and reinserts the signal into the earcup to cancel high amplitude noise levels in aircraft cockpits and cargo bays.
- 6. Navy Civil Engineering Support Equipment. Procures vehicles and materiel handling equipment in support of Naval Special Warfare (NSW) requirements.
- FY 1997 PROGRAM JUSTIFICATION: Procures authorized table of equipment, vehicles and material handling equipment.
- These vehicles are used to support training, exercises, and contingencies, and are required for sensitive activities in which military vehicles includes the following body styles: Bronco 4X4, 3 pax P/U, 6 pax P/U 4X4, 15 pax van, and standard pick-ups, cargo vans and Broncos. 7. Special Tactics Squadron Vehicles (STSV). Procures unmarked commercial type vehicles presenting civilian appearance. Program would not be feasible.
- 8. NSW Sustainment Equipment (formerly called NSW Groups/NSW Units East and West). Procures investment sustainment items for NSW headquarters and subordinate commands. Included are deployable rapid assembly shelters, establishments and upgrade of local automated data processing systems, intrusion detection systems, and other required equipment.

P-1 SHOPPING LIST, ITEM NO. 68

Page 2 of 2 Pages EXHIBIT P-40 Budget Item Justification Sheet





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WEAPON SYSTEM COST ANALYSIS	A. Appro Thle/No.	printion/B	A. Appropriation/Budget Activity THIS/No.	vity	B. Line Item Nomenclature MISCRILANEOUS EQUIPMENT	Nomenclats IEOUS EO	ure UIPMENT				C. DATE:	TE: MARCH 1996	
DATIBILITY - CUBA TICHMAN	Procurent	Procurement, Defer	nsewide/Proc.	c. Just./2									
	Ident.					FY 1995			FY 1996			FY 1997	
Weapon System Cost Elements	Code				Unit Cost	QTY	Total Cost	Unit Cost	QIY	Total Cost	Unit Cost	QTY	Total Cost
1. USSOCOM	٧												
A. Base Procured Investment Equipment							755						
Subtotal							755						
2. JOINT OPERATIONAL STOCKS (JOS)	V.												
A. Hardware							661			168			794
Subtoral							199			768			794
3. SO CBT SPT/CSS	<												
A. Hardware							183						
Subtotal							183						
4. SOF MED TRNG FACILITIES EQUIP	<												
A. Hardware							822						
Subtotal							822						
5. ACTIVE NOISE REDUCTION	٧												
A. Hardware					1.345	197	265	1.452	207	736			
B. Production Data							25			22			
C. Production Support (non-recurring)							132			288			
D. Aircraft Modification Kits							90						
Subtotal							492			1,039			
6. NAVY CIVIL ENGINEERING SUPPORT EQUIPMENT	٧												
A. Hardware										1554			2,236
Subtotal										1,554			2,236
		ą											
7. SPECIAL TACTICS SQD'N VEHICLES	∢												
A. Hardware					32.000		0 <del>5</del>						
Subtotal							140						

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Page 1 of 2 Pages EXHIBIT P-5, Weapon System Cost Analysis

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WEAPON SYSTEM COST ANALYSIS REHIBIT (P.S Other Progressment	A. Appro	printion/B	A. Appropriation/Budget Activity THE-Mo.	tivity	B. Line Item	B. Line Item Nomenclature Machine and Managart	ITS THEMATERYT				C. DATE:	TR:	
AND THE PROPERTY OF THE PROPER	Procurent	ent, Defe	necwide/P	Procurement, Defensewide/Proc. Just./2		TO STORY	OR MINA &					Ch 1996	
	Ident.					FY 1995	The second secon		FY 1996			FY 1997	
Weapon System Cost Blements	Code				Unit Cost	QTY	Total Cost	Unit Cost	QTA	Total Cost	Unit Cost	QTY	Total Cost
8. NSW SUSTAINMENT EQUIPMENT	A												
A. Hardware										1,855			
Subtotal										1,855			
LINB ITEM TOTAL							3,191			8,216			3,030
REMARKS:													

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BUDGET PROCUREMENT		HISTORY AND P	AND PLANNING				A.	DATE:	March 1996	9
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2				C. P-1 IT MISCE	P-1 ITEM NOMENOMINEMISCELLANBOUS	P-1 ITEM NOMENCLATURE MISCELLANBOUS EQUIPMENT	TNI			
LINB ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATB	DATE OF FRST DEL	QUANTITY	UNIT	SPECS AVAIL NOW	SPEC RBVIS REQ'D	IF YES, WHEN AVAIL
5. ACTIVE NOISE REDUCTION A. HARDWARE		·								
FY 95	BOSE	\$\$/FP	HSC/YA\$	AUG 95	SEP 96	197	1.345			
	Framingham, MA								<del></del>	
FY 96	BOSB	\$\$/FP	HSC/YAS	APR 96	1AN 97	2005	1.452		de Al Cille Ingel des	
	Framingham, MA							<del>, 1</del>	<del>den Gerekel i Diren</del> o	
7. SPECIAL TACTICS SQD'N VEHICLES										
A. HARDWARE										
FY 95	QSA	\$\$/FP	AFMC	se nor	AUG 95	*	35.000			
	adina a Walio ka ka ka ka ka ka ka ka ka ka ka ka ka									
D. RHMARKS:										

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вировт	BUDGET ITEM JUSTIFICATION SHEET	ON SHEET		DATE	MAF	MARCH 1996	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	ļ	P-1 ITEN SOF PLA	P-1 ITEM NOMENCLATURE SOF PLANNING AND REHEARSAL SYSTEM	3 Jarsal system			
	FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY							
COST (In Millions S)	6.490	1.090	1.876	0.570	1.132	4.496	4.835

planning systems, supported by intelligence databases and imagery that will be used by planners within the Special Operations Forces (SOF) MISSION AND DESCRIPTION: Special Operations Forces Planning and Rehearsal System (SOFPARS) is an integrated family of mission mission planners and consist of unit/force level systems (transportable) capable of utilizing data transfer modules for avionics initialization management, information fusion, image exploitation, mission planning and mission preview. SOFPARS develops and procures aviation and element systems (portable). SOFPARS focuses on the joint requirements to ensure interoperability and standardization of the SOF command structure world-wide to plan and preview SOF missions. Major areas requiring automated support include data access and mission planning process.

FY 1997 PROGRAM JUSTIFICATION: Upgrades 72 previously procured Portable Mission Planning Systems and procures nine Deployable Desktop Mission Planners.

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WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-S) - Other Procurement	A. Appro Procuren	A. Appropriation/Budget Activity Title/No. Procurement, Defensewide/Proc. Just./2	Trile/No. Just. 12	B. Line Item Nomenchure SOF PLANNING & REHEARSAL	formenchatu VG & REI	re Hearsal sys	SYSTEM (SOFPARS)	<b>(S</b> )		C. DATE: MARCH 1996	MARCH 1	<b>3</b> 66
	Ident.				FY 1995			FY 1996			FY 1997	
Weapon System Cost Blements	<del>2</del> 60			Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost	Unit Cost	ALL	Total Cost
A. Desktop Deployable Systems	4			100.000	30	1,000				100.000	6	88
B. Portable Systems	A			49.760	25	1,244						
C. Interim Contractor Support	N/A											
D. Engineering Change Orders	M/A					88			1,090			916
E. System Acquisition Engineering	N/A					1,992						
F. Common Mapping Production System	N/A					125						
I. MC-130H Combat Talon OFF 31	N/A					850						and the same of th
J. PC Flight Planning Systems	≪			16.379	- 88	950						
										2011		
	-											
LINB ITEM TOTAL						6,490			1,090			1,876

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BUDGET PROCUREMENT	1	HISTORY AND F	AND PLANNING				Ÿ	DATE:	March 1996	٥
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2				C. P-1 IT SOF P	EM NOME	P-I ITEM NOMENCLATURE SOF PLANNING AND REHEARSAL		SYSTEM (SOFPARS)	OFPARS)	
LINB ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DEL	QUANTITY	UNIT	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
A. Douktope										
FY 95	<b>ГОСКНЕЕD</b>	NOTTO	ESC/YV	SEP 95	DEC 95	9	100.000			
	Nasahua, NH									
FY 97	LOCKHEED	OPTION	BSC/YV	MAR 97	SEP 97	•	100.00	YES	YES	DEC %
	Neabus, NH									
B. Portuble Systems										
FY 95	UNKNOWN	C/CPFF	ESC/YV	APR 96	0CT 96	22	49.670	YES	NO	
J. PC Flight Planners										
FY 95	UNKNOWN	FIFE	SOFPM MPS	30N %	30L %	₹7. €0	16.379	YES	ON	
	W. government									
								-1:		
D. REMARKS:	ø									

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BUDGET IT!	BUDGET ITEM JUSTIFICATION SHEET	N SHEET		DATE	MAR	MARCH 1996	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM OPERAT	P-1 ITEM NOMENCLATURE OPERATIONAL FORCE ENHANCEMENTS	ANCEMENTS			
	FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY							
COST (In Millions \$)	85.936	78.370	75.221	125.524	101.080	110.651	110.585
MISSION AND DESCRIPTION: Provides funding for Classified SOF projects as directed by the Secretary of Defense and/or the Joint Staff.	Provides fundin	g for Classifie	d SOF projects as	directed by the	Secretary of I	Defense and/or	the Joint
FY 1997 PROGRAM JUSTIFICATION: Specific justification is provided under separate cover.	TION: Specific	justification is	provided under s	eparate cover.			
P-1 SHOPPING LIST, ITEM NO. 70						TANK TO DESTRUCT	Page 1 of 1 Page

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BUDGET ITE	BUDGET ITEM JUSTIFICATION SHEET	N SHEET		DATB	MAR	MARCH 1996	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM PSYOP EQ	P-1 ITEM NOMENCLATURE PSYOP EQUIPMENT				
	FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY							
COST (In Millions \$)	.018	19.595	7.794	7.595	4.726	14.686	1.986

terrorism, insurgency, instability, and subversion. Successful PSYOP operations will result in reduced casualties and actions favorable to equipment. The intent of PSYOP is to persuade selected target audiences to support U.S. national interests and counter misinformation directed at U.S. forces. New and emerging national and regional power groupings and religious fanaticism have increased threats of MISSION AND DESCRIPTION: This program provides for the development and acquisition of Psychological Operations (PSYOP) the supported host nation and U.S. national objectives.

- 1. Special Operations Media System B (SOMS B). A rapid deployable, C-130 drive on/drive off tactical radio/TV transmission, reception and electronic news gathering system. This system replaces 1950 - 1960s technology and enhances the capability to conduct tactical level PSYOP dissemination in support of regional unified commanders. Reduces airlift requirement for airlift.
- 2. Deployable Print Production Center (DPPC). A rapid deployable, state-of-the-art computerized digital system capable of creating, editing and producing printed PSYOP products in forward locations and remote sites.

FY 1997 PROGRAM JUSTIFICATION: Procures two planned DPPCs.

3. Family of Loudspeakers (FOL). The FOL will consist of modular amplifiers and speakers that will provide high quality recorded audio, live dissemination, and acoustic deception capability. FOL will be transported,

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BUDGET ITEM JUSTIFICATION SHEET	IBT	BT
		MARCH 1996
APPROPRIATION / BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE	
PROCUREMENT, DEFENSEWILE / 2	Faror equipment	

3. Family of Loudspeakers (FOL). (Cont'd)

operated, and mounted in ground vehicles, watercraft, rotary wing aircraft, and dismounted for ground operations (TRIPOD/MANPACK). FOL will replace current AN/UIH-6 (250 watt) Public Address System; AN/UIH-6A (450 watt); AEM-1492D (900 watt); and LSS-40 (AN/PIH-1) portable loudspeakers. FOL will permit the conduct of loudspeaker missions over larger areas than present equipment capability and will provide a greater stand-off distance for U. S. Forces/assets.

FY 1997 PROGRAM JUSTIFICATION: Procures initial manpack, vehicle/watercraft mounted, and aircraft mounted systems.

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WEAPON SYSTEM COST ANALYSIS EXHIBIT (P.S) - Other Procurement	A. Appro Procured	A. Appropriation/budget Activity Procurement, Defensewide/Proc. 1	Activity In e/Proc. Just	Just./2	B. Line Item Nomenchaure PSYOP EQUIPMENT	Nomenchatu PMENT	٤				C. DATE:	IE: MARCH 1996	
	Ident.					FY 1995			FY 1996			FY 1997	
Weapon System Cost Elements	Code				Unit Cost	QIA	Total Cont	Unit Cost	QIIY	Total Cost	Unit Cost	QIY	Total Cost
1. SPECIAL OPERATIONS MEDIA SYS - B	٧												
A. Hardware							18	4,898.750	4	19,595			
Subtotal							18			19,595			
2. Deployable Print Prod. Center (DPPC)	<												
A. Hardware											238,000	2	416
Subtotal													476
3. Family of Loudspeakers (FOL)	<												
A. Hardware												VAR	7,318
Subtotal													7,318
LINB ITEM TOTAL							81			19,595			7,794

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BUDGET PROCUREMENT	1	HISTORY AND PI	and planning				A.	DATE:	March 1995	5
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2				C. P-1 IT PSYOP	P-1 ITEM NOMENCI PSYOP EQUIPMENT	P-1 ITEM NOMENCLATURE PSYOP EQUIPMENT			TO COLOR IN THE PART OF THE PA	
IINB ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATB	DATE OF FIRST DEE.	QUANTITY	UNIT	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
1. SPECIAL OPERATIONS MEDIA SYSTEM - B A. Hardward										
FY 96	UNKNOWN	C/RP	USSOCOM	FEB 97	FEB 98	*	4,898.750	YES	NO	
2. Deployable Print Production Center (DPPC)										
A. Hardware										
FY 97	UNKNOWN	CAFF	USSOCOM	NOV 986	APR 97	2	238.000	NO		
D. REMARKS:							A WOOD TO THE STATE OF THE STAT			

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